CENTURY 21

The Worlds of Gerry Anderson

No.15·Winter 1993·£2.95

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BOOK098 *The Gerry Anderson Classics* by Dave Rogers. 224 pages, 280mm x 228mm, with 350 colour and black and white photographs bringing together every puppet and live-action TV series in this huge and comprehensive one-volume guide to the world of Gerry Anderson. The book contains detailed histories of the most famous classics, *Thunderbirds*, *Stingray* and *Captain Scarlet* but also features a unique analysis of *Joe 90*, *Terrahawks* and *Dick Spanner* as well as the live-action *UFO*, *The Protectors* and *Space: 1999*. Published by Boxtree Books. £14.99**D**
BOOK145 *FAB Facts* by Simon Archer. 500 fascinating facts, including F.A.B. Phrases and F.A.B. Futurisms plus photographs of the characters, sets and models in the making will tell you everything you want to know about series from *Twizzle* to *Space: 1999*. Published by Harper Collins £5.99
BOOK087 1994 Annual. 48 full colour 186mm x 276mm pages of comic strip adventure, hardware specifications, personnel biographies and background features including many colour photographs. Published by Grandreams. £4.75**C**
BOOK054 *Captain Scarlet and the Mysterons* by Graeme Bassett and Chris Drake. 96 pages, 280mm x 228mm, with 45 colour and 45 black and white photographs chronicling the genesis of the series, profiles of all the major characters and a detailed look at the Spectrum organisation as well as a comprehensive guide to all 32 episodes. Published by Boxtree Books ..£9.99**C**

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BOOK088 *Indestructible* £2.99**B**
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BOOK005 *Captain Scarlet* novel by John Theydon. Re-issue of the Armada 1960s title now published by Titan Books £2.95**A**

The following are 68-page 128mm x 200mm junior novels with full colour covers and many black & white illustrations. Published by Transworld Publishers:
BOOK083 Novel No.1 *The Mysterons* by Dave Morris £2.50**A**
BOOK084 Novel No.2 *Noose of Ice* by Dave Morris £2.50**A**
BOOK085 Novel No.3 *Lunarville 7* by Dave Morris £2.50**A**
BOOK086 Novel No.4 *The Launching* By Dave Morris £2.50**A**

The following are 24-page 205mm x 205mm storybooks featuring 11 colour artworks. Published by Boxtree Books:
BOOK090 *Renegade Rocket* £2.99**A**
BOOK091 *Mysteron Trap* £2.99**A**
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The items marked "A" next to their prices are as follows:-				
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For each subsequent item	£0.60	£0.90	£1.50	£1.65
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BOOKS

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The items marked "C" next to their prices are as follows:-				
For the first item ordered	£1.50	£1.75	£3.75	£4.50
For each subsequent item	£0.70	£1.25	£2.50	£3.50
The items marked "D" next to their prices are as follows:-				
For the first item ordered	£2.75	£3.25	£7.20	£8.50
For each subsequent item	£1.25	£2.50	£5.00	£6.50

Continued – page 39 ➤

I have a stack of letters from all of you who loyally read every issue – perhaps every word – of this magazine. Each time we put out a New Century 21 you take the time and trouble to write in and thank us for 'another great issue.' Unfortunately, many others read the magazine on a casual basis only. They want it around yet are not prepared to subscribe to see it continue. Dave Nightingale and myself have frequently lobbied for subscriptions, as subscription's are the life's blood of this magazine. Now the eleventh hour has not only approached, it has passed, and limited response to our request for subscriptions dictates that this, sadly, will be the last issue of Century 21.

You know it's easy to criticise a magazine; easy to say, 'Oh, yes, if I were in charge I would have done this differently, or added that, or left out the other'. Talk's cheap. Unfortunately, in terms of time and money, production of this magazine is not. Century 21 has left me bleary eyed on many an occasion and I have often seen Dave Openshaw stagger back to work on a Monday morning with eyes like an outhouse rat because he's been working on the mag. all weekend. Our contributors, too, have often worked themselves to a frazzle, ignoring free time and families, in order to deliver the goods on time. Our team put a lot of graft into the mag. What we wanted back from our casual readership was a little support . . . was that really too much to ask?

On the plus side we've contributed some 600 new pages to the Gerry Anderson universe on time, every time, as initially promised. We've published photographs that have never been seen before. Talked to people who have never been interviewed before. And we've made some new friends along the way, so we've lots to smile about too.

Before I sign off I'd like to thank Dave Nightingale for gambling on this project in the first place – peel me an armchair, Dave, I'm feeling purple. (private joke, folks); Dave Openshaw for slaving over a hot computer, Martin Hutchinson for his fine articles and hilarious, adults-only 'Return of Skippy' scripts; Keith Ansell for his amazing mind contortions and chronologies; Lynn Simpson and Martin again for P.W.O.R.; Phil Rae for his technical assistance and for sharing his attic with us; and, of course, Simon Archer. Finally, I'd like to thank all of you who did believe in and support this mag and responded to our recent subscription appeal. Your input has always been appreciated and your response and kind comments have made all the hard work worthwhile.

The contents of this issue differ from those advertised last time around due to our wanting to fit George March's superb Captain Scarlet encyclopedia into one issue – thanks George!

Both Dave and myself have some new projects in the works (as an example see the important announcements on pages 38 and 39 of this issue), so this is 'see ya' and not goodbye. The Mysterons may have won this particular battle, but they have definitely not won the war!

Very best wishes to you all.

Mike Reccia, Editor

The opinions expressed in the articles and features in this magazine are those of the individual contributors and are not necessarily shared by Century 21.

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Obituary
Simon Archer

On 14th September, 1993, Century 21 mainstay and personal friend Simon Archer was tragically killed in a car accident. Simon's first book, **Fab Facts**, had just been published.

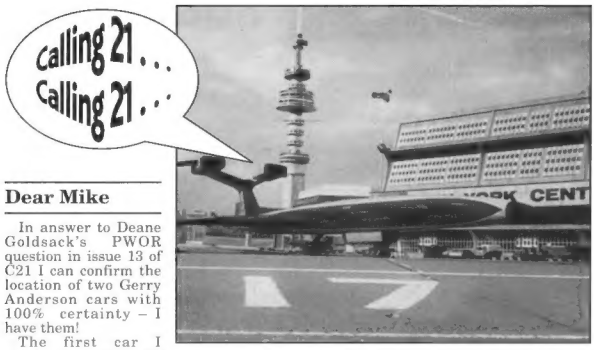
Simon was a very special person – possibly the last of an increasingly rare species – the gentleman. Despite having to cope with a hectic and very demanding working life he always found time for Century 21. Whenever he called he was always friendly, always civil, always bright. He made you feel he was genuinely interested in every word you said. To see his Anderson work in print was a delight to him, despite his already mega-successful track record in Public Relations. Subsequently chatting to and becoming friends with the people who made Gerry's programmes possible, and with Gerry himself, often made him comment that he could not believe what was happening to him. Century 21 owes much of its content and success in early issues to Simon and his unique ability to make people feel instantly at home and willing to talk about their contributions to the Anderson universe. Indeed, many issues were almost exclusively his work.

As a medium and spiritual lecturer (yes, folks, that's my unusual occupation) I know you cannot die for the life in you. Simon has just gone into the next room. However, many people who are still in this room . . . Dave Nightingale, Dave Openshaw, myself, and all the others who had the privilege to work with him and know him, will miss his presence and the added dimension he brought to our lives.

God bless and thank you, Simon. This issue is respectfully dedicated to your memory.

Anderson Memorabilia Postal Auction

Yes, folks, I'm finally parting with some of my rare Anderson collectibles – at very reasonable prices! For a list, and details of how the postal auction will work, send me a large-ish stamped addressed envelope before 20th December 1993. Post to:
Anderson Collectibles,
c/o Mike Reccia,
57, Lynwood Avenue,
Clayton-le Moors,
Near Accrington.
Lancashire. BB5 5RR.



Dear Mike

In answer to Deane Goldsack's PWOR question in issue 13 of C21 I can confirm the location of two Gerry Anderson cars with 100% certainty – I have them!

The first car I obtained was thought to be from the film Doppelganger, however, its real history is rather more intriguing. To publicise the film Gerry had famous personalities such as racing driver Graham Hill, drive and pose with the cars. A young man called Sidney Carlton spotted one of the cars and with millionaire friend, David Lowes, decided that it would be a good idea to put them into production. They bought the rights to reproduce the design and set themselves up as the Explorer Motor Company. The car was to be called Quest, and was to consist of a fibreglass shell stitched onto a Ford V6 Zephyr floor pan. The story goes that the company had the necessary moulds made, but that the car never went into production. After 1970 the Quest was never heard of again.

Top to bottom:
The Quest car stored at Peter Nelson's Cars of the stars Museum.

The interior of the Quest car and the Quest emblem in the middle of the steering wheel.

Foster's car as it appears today.

On examination of my car, which has a fibreglass body, 2.5l V6 engine and Zephyr floor pan, one can see in the centre of the steering wheel the logo of the Explorer Motor Company.

I believe that the car I own is the original Quest prototype, and probably the only one in existence. Despite being over 20 years old it is still in quite reasonable condition.

A couple of interesting sales gimmicks were the supposed use of fibre optics and a radio active instrument facia! Visually the car is almost identical to the doppelganger version which later undertook a metamorphosis to become Straker's car in U.F.O., the only real difference being the addition of a couple of small scoops on the bonnet.

Just imagine if the Explorer Motor Company had been a success today there could have been thousands of Gerry Anderson designed cars zooming around!!!

The second car I have is Paul Foster's car from U.F.O., although it also appeared in Doppelganger. It has an aluminium body on a Zephyr floor pan. Unfortunately the original engine and gearbox are missing. Also unfortunate is the effect of the elements on the bodywork. The paintwork (which still shows signs of the original colour underneath) is looking very tired, and there is extensive rot in the floor, however I can obtain replacement steel panels to put this right. The roof, bonnet and door scoops so prominent in U.F.O. are missing from the car, but these will be reproduced in time. Despite these problems the car still looks an awesome beast, being nearly 18 feet long and 8 feet wide.

I will restore the cars to as close to their original appearance as I can. There is no interior in either car which appears to be "original" therefore I am looking for good photographic reference to help in their restoration. Can anybody help me? Does anyone know the whereabouts of any original parts, especially the seats?

If any of you are in deepest Suffolk please pop by, kick the tyres and crack open a can or two with me (or have a cup of tea!) just get in touch. You will always be most welcome.

Tony Read,
The Wolery,
Lower Barn Road,
Chattisham,
Ipswich. IP8 3NR.

Dear Mike

Re–the Terrahawks merchandise guide: Our Japanese friends produced 'The Making of Terrahawks' book, published by Kadokawashoten in 1985 as part of their Anime series – this was No. 3 in the series. The book had 114 pages (67 in colour) and was similar in format to Gakken's 'Encyclopedia of Thunderbirds', with lots of colour photos of machines and characters, frame blow-ups from the series and behind-the-scenes photos, plus interviews with Gerry, Bob Bell, Richard Gregory and Steve Begg. It also contained designs and story background to a planned Anderson series 'Thunderhawks' (1977) – episode 'Invasion From Space' showing Reg Hill drawings for the series and profiles of Japanese actors who provided the voices for the Japanese version of Terrahawks, plus the Japanese version opening and end animated credits for Terrahawks.

Finally, there are character and mechanical drawings for an animated version of Terrahawks which was to be made in Japan but was never produced. Characters have names such as Lone Wolf, Little Bunny, Sleepy Bear, Kei Linn, Old Tom and the machines are futuristic tanks, submarines and space battleships of enormous size. I'm not sure if Gerry had any input into this but it looks fascinating, and I think SIG reported that Terrahawks was originally planned to be a animated show.

Ray Houseman,
Acoub, York.

Dear Mike

Two points regarding Ian Fryer's article on Terrahawks merchandise:

1. Philips DID produce the video game for the G7000 games console. I have a copy. It is NOT the game played by Ninestein in the series and really just uses the Terrahawks name, though an image of what is supposed to be Zelda appears between rounds. There was also a game made for the Sinclair Spectrum, but since I did not have a Spectrum, I didn't buy this.

2. The Action GT game, which I do have, is called Flight Command. A battery operated motor blows a jet of thin air, upon which is suspended a polystyrene Zeriod. The idea is to vary the airflow so that the Zeriod can negotiate a series of obstacles.

Pat Gardener, Lancing, West Sussex.

Dear Mike

Congrats on another great issue!

I loved the colour pix of Fireball XL5 by Martin Bower. That and the article were the high point of issue 14. I thought at first he had constructed the main body out of aluminium tubing until I read the article. I like the segmented effect Mr. Bower achieved on the overall model. How is this done? Did he paint and 'dirty down' lines or did he actually cut tubing into segments?

I liked the Stingray encyclopedia but have a poser for Martin Hutchinson. In the 'Undersea races encountered' section, specifically the Trematodes paragraph, it states a warlike people (The Trematodes) who captured the Crustavon city and renamed it Solaster'. Now, I'll admit the two cities look identical, but are they? In 'Curse of the Crustavons' Troy and Marina are seen swimming in the open ocean near the city, but in 'The Big Gun' undersea pressure was so powerful it all but cracked Stingray like an eggshell. Could these be the same cities? It would seem not. Explanations? And going back to the Fireball encyclopedia for a minute, I've always thought the red carapace on the World Space Patrol uniforms had some purpose other than that of decoration. Could they be some form of body armour that might protect the wearer to a limited degree of attack by ray weapons, like the flak jackets worn by U.S. troops in Vietnam?

These would be worn by the men primarily since they are more likely to go into hazardous situations, which would explain why Steve and Matt wear the red carapaces but Venus doesn't. lastly, since Mr. Bower is producing colour Fireball pictures, what are the odds on seeing the World Space Patrol vessel gracing a full front cover of our favourite magazine? The like of which has not been since issue 4. It would be a great tribute to Fireball and Mr. Bower's art. Until next time . . . take care.

Dave Sheridan, ~~Corydon~~, ~~Curvydour~~, Corydon, ~~Eerie~~ Indiana, U.S.A.

P.S. In defence of my fair city, I'd like to point out that I live in Corydon not Croydon. You guys always seem to reverse the positions of the 'O' and 'R' when you spell it. (Ha, ha) Thanks!

Well, Dave, we finally got it right for the final issue. If you enjoy Martin Bower's work, you'll find more of it in a certain new magazine advertised elsewhere in this mag – Ed.

And that's about it from the *Calling 21* pages, folks. Thanks for all your letters over the past four years, and sincere apologies to all of you who wrote and are still waiting for a reply. I did get round to answering 90% of your queries, but due to the pressure of producing C21 on time, the other 10% of those letters are still in a pile at Reccia headquarters.

Please take this note as a universal reply and expression of gratitude for your interest in and contributions to this mag.

Calling 21 – Out: Ed.

P.W.O.R.

Straight into it this issue with some more questions from Graham Keenan from Middlesborough left over from last time . . .

Q.What happened to Paul Maxwell and Charles Tingwell after the first twelve episodes of Captain Scarlet? They were credited but didn't supply the voices.

A. The two actors mentioned were unavailable for the rest of the episodes (Paul Maxwell presumably went to work on Coronation Street). They were credited because ONE credit sequence was made for Captain Scarlet with only the Writers / Directors names altering. Note: This also happened regarding the actors' appearances in the second batch of Thunderbirds.

Q. Martin King only did two episodes of Joe 90 but is credited on all of them. Why is this?

A. Again only one credit sequence was filmed. This also happened with Sylvia Anderson on Thunderbirds.

Q. In Fireball XL5, is Space City situated on the West Coast of South America?

A. Nearly. It is in fact on a small island just off the West Coast of South America.

Q. Was Stingray shot in two batches of 25 and 14?

A. No, as far as we are aware it was one batch of 39.

Q. In Joe 90, does Joe remain a W.I.N. agent after the age of 10?

A. This is never explained. However, we see no reason why he shouldn't have. The series finished – not the adventures.

Q. In Space: 1999, it is stated that Victor Bergman, Paul Morrow and David Kano were all killed between season one and season two – but what happened to Tanya Alexander?

A. This was never explained as Tanya was only a minor character. Presumably the actress who played her was either unavailable or was not required for season two, and the scriptwriters didn't feel it necessary to enlighten us as to Tanya's whereabouts.

Q. Did International Rescue and the British Authorities ever find out about the team of saboteurs behind the Fireflash disasters?

A. Again, this is one of those questions that has never been answered due to it being superfluous to the plot. The plots of Thunderbirds dealt with the Rescues mainly. It is more than likely that the British Police investigated the matter further – it would have been negligent had they not.

Q. How could Troy Tempest in the Stingray episode 'Tom Thumb Tempest' have dreamt about X2-0 when he had never met him? And how could he have visualised his telephone number being X2000?

A. Even though Troy had never met X-20 he had seen him about and his image was in his subconscious – as to the 'phone number – it could be an insight. Who is to say what forms our dreams?

Q. In the Stingray episode 'Pink Ice' was it Titan's people behind the plot to clog up the world's oceans with ice?

A. No, it was the Frigidians, with the evidence suggesting they inhabit the Antarctic. However, they could have been allied to Titan through U.R.A.T (Underwater Revenge and Terrorism).

Finally we come to a question we have been asked many times . . .

Q. It is a well known fact that in all his series Gerry Anderson only supplied one voice – that of Robert the Robot in Fireball XL5, but the Boxtree Captain Scarlet book states that he also did the voice of the S.I.D. computer in the Scarlet episode 'Crater 101'. Is this correct?

A. In view of the number of readers asking this one, we went straight to the top. According to Gerry he definitely DID NOT do the voice of the S.I.D. computer in Captain Scarlet and sadly cannot remember who did. Robert the Robot is the ONLY voice he supplied.

Well, that's it. It just remains to say 'goodbye' and to thank all those who have written to us. We hope you enjoyed P.W.O.R. as much as we have over the last couple of years. We have made many friends, one of them being George March, who, after writing to us some while ago got so enthusiastic that he has taken it further and written the Captain Scarlet guide featured in this issue.

Thanks also to Mike Reccia who had the confidence in us from the start. There is some good news – You can see more of Lynn's artwork in the Stingray and Captain Scarlet comics. Also, you won't be seeing the last of us. Hopefully, we will be returning in some guise in a new venture, so, if you have any questions about ANY classic and cult TV shows past and present, write in to the usual address and we'll do our best to answer your queries when we resurface!

So, until we meet again, this is P.W.O.R. signing off. All the best – S.I.G.

Martin and Lynn.

CENTURY 21

ANDERBOOKS

Gerry Anderson Annuals and Book List

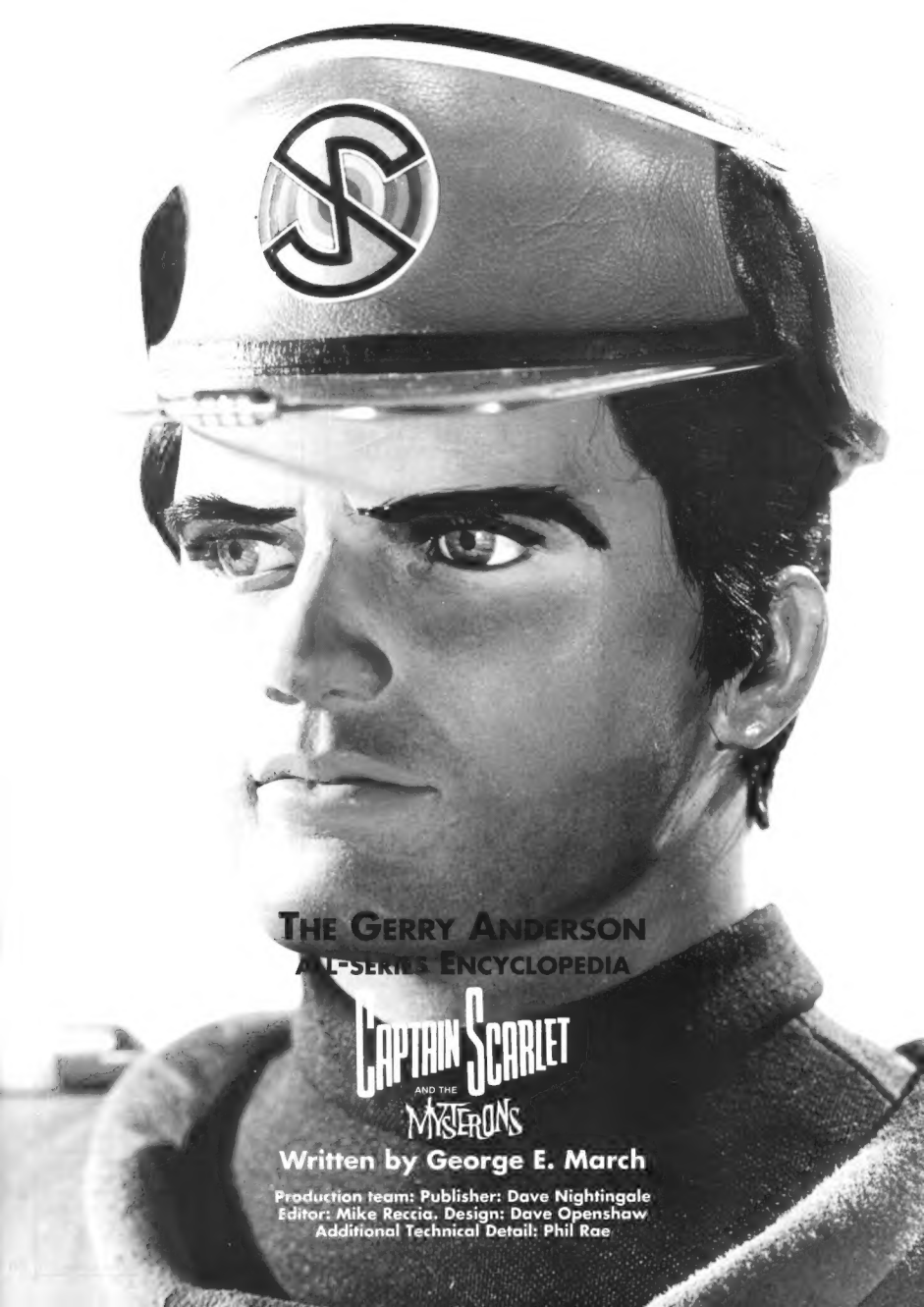
PART 3

Compiled by Austin Tate

Title	p/b h/b	© Year	Author	Publisher	Check By	Notes
Space 1999 Breakaway	p/b	1975	E. C. Tubb	Pocket	JB	USA
	h/b		E. C. Tubb	Hobson		USA
Moon Odyssey	p/b	1975	J. Rankine	Pocket	JB	USA
	h/b		J. Rankine	Hobson		USA
3: The Space Guardians	p/b	1976	B. Ball	Pocket		USA
	h/b		B. Ball	Hobson		USA
4: Collision Course	p/b	1976	E. C. Tubb	Pocket		USA
	h/b		E. C. Tubb	Hobson		USA
5: Lunar Attack	p/b	1976	J. Rankine	Pocket		USA
	h/b		J. Rankine	Hobson		USA
6: Astral Quest	p/b	1976	J. Rankine	Pocket		USA
	h/b		J. Rankine	Hobson		USA
7: Alien Seed	p/b	1976	E. C. Tubb	Pocket		USA
8: Android Planet	p/b	1976	J. Rankine	Pocket		USA
9: Rogue Planet	p/b	1976	E. C. Tubb	Pocket		USA
10: Phoenix of Megaron	p/b	1976	J. Rankine	Pocket	JB	USA
Planets of Peril	p/b	1977	M. Butterworth	Warner		USA
	p/b		M. Butterworth	Mikasa		Japan
2: Mind-Breaks of Space	p/b	1977	M. Butterworth & J. J. Jones	Warner		USA
	p/b		M. Butterworth & J. J. Jones	Mikasa		Japan
3: The Space-Jackers	p/b	1977	M. Butterworth	Warner		USA
	p/b		M. Butterworth	Mikasa		Japan
4: The Psychomorph	p/b	1977	M. Butterworth	Warner		USA
5: The Time Fighters	p/b	1977	M. Butterworth	Warner		USA
6: The Edge of the Infinite	p/b	1977	M. Butterworth	Warner		USA
The Making of Space 1999	p/b	1976††	T. Heald	Ballantine	AT	USA
Moonbase Alpha Technical Notebook	ring	1977	D. Hirsch	Starlog Press	JB	USA
Official Moonbase Alpha Technical Manual		1978	D. Hirsch	Starlog Press		USA - suppl. to above?
Spazio 1999: I Serie						
0: il distacco	h/b	1975	G. Padoan	AMZ	AF	Italy - published 1976
1: i naufraghi dello spazio	h/b	1975	G. Padoan	AMZ	AF	Italy
2: i pirati delle galassie	h/b	1975	G. Padoan	AMZ	AF	Italy

Title	p/b h/b	© Year	Author	Publisher	Check By	Notes
3: verso il tremila	h/b	1975	G. Padoan	AMZ	AF	Italy
4: i giustizieri del cosmo	h/b	1975	G. Padoan	AMZ	AF	Italy
5: al di la' del tempo	h/b	1975	G. Padoan	AMZ	AF	Italy - published 1976
6: l'ultimo tramonto	h/b	1977††	G. Padoan	AMZ	AF	Italy
7: gli eredi del passato	h/b	1977††	G. Padoan	AMZ	AF	Italy
8: guerra nel cosmo	h/b	1977††	G. Padoan	AMZ	AF	Italy
9: i giorni del terrore	h/b	1977††	G. Padoan	AMZ	AF	Italy
10: gli esploratori dell'eternita	h/b	1977††	G. Padoan	AMZ	AF	Italy - published 1978
11: la grande dominatrice	h/b	1977††	G. Padoan	AMZ	AF	Italy - published 1978
Spazio 1999: II Serie						
1: gli alieni dai mille volti	h/b	1977††	G. Padoan	AMZ	AF	Italy - published 1979
2: gli stregoni del cosmo	h/b	1977††	G. Padoan	AMZ	AF	Italy - published 1979
3: il ritorno degli ibernati	h/b	1977††	G. Padoan	AMZ	AF	Italy - published 1979
4: rapimento nello spazio	h/b	1977††	G. Padoan	AMZ	AF	Italy - published 1979
Mondstation 1999						
Alpha 1 - Station der Verlorenen	p/b	1977/8	M. Butterworth	Bastei Lubbe		Germany
Die Unheimliche Kraft	p/b	1977/8	M. Butterworth & J. J. Jones	Bastei Lubbe		Germany
Der Doppelganger	p/b	1977/8	M. Butterworth	Bastei Lubbe		Germany
Der Weltenfresser	p/b	1977/8	M. Butterworth	Bastei Lubbe		Germany
Die Zeit-Attacke	p/b	1977/8	M. Butterworth	Bastei Lubbe		Germany
Kampf Um Die Zukunft	p/b	1977/8	M. Butterworth	Bastei Lubbe		Germany
Dog Andromeda Ratsel	p/b	1978	H. W. Springer	Bastei Lubbe		Germany
Das Erbe Der Roboter	p/b	1978	H. W. Springer	Bastei Lubbe		Germany
Die Ewigen Von Luna	p/b	1978	H. W. Springer	Bastei Lubbe		Germany
Invasion Der Esper	p/b	1978	H. W. Springer	Bastei Lubbe		Germany
Aktion Exodus	p/b	1978	K. Brandel	Bastei Lubbe		Germany
Der Stahlplanet	p/b	1978	M. S. Thomas	Bastei Lubbe		Germany
Spazio 1999: Diario Scolastico	h/b	1977††		AMZ	AF	Italy - Diary
Space 1999 Storybook	p/b	1977	M. D. Mintzer	Golden Press		USA - large p/b
Space 1999 Super Visual Guidebook	p/b	1980s		Town Mook		Japan - large p/b
The Making of Terrahawks	p/b					Japan
Terrahawks 1	h/b				JP	Japan - 16 poges - card
Non-Series Specific Books Fantastic Television		1979	G. Gerani & P. H. Schuman	Harmony		USA incl. Space 1999, etc
ITC SF Mecha Graffiti Super Visual Special	p/b	none		Town Mook	AS	Japan
Supermarionation: Magical World of G. Anderson	p/b	1988	J. Peel	Schuster & Schuster	AT	USA
The Best of Science Fiction TV	p/b	1987	J. Javna	Harmony Books	AT	USA Anderson section
It's Thunderbirds' Century Perfect Modelling Man.	p/b					Japan
	h/b	1990		DaiNihon Kaiga	AT	Japan - revised edition
Thunderbirds & ITC Machine Library	h/b	1992		DaiNihon Kaiga	AT	Japan

Checks by:
KA–Keith Ansell, Birmingham. JB–Jeremy Briggs, S. Queensferry, West Lothian. SB– Stephen Brown, Saxmundham, Suffolk. SD–Stuart Drummond, Melksham, Wiltshire. AF–Angelo Finamore, Venezia-Mestre, Italy. LH–Lee Holmes, Kings Lynn, Norfolk. RH–Rosemary Haynes, Hoddesdon, Hertfordshire. TJ–Tony Johnston, Sidcup, Kent. JO–Jeremy Owens, Powys, Wales. JP–John Palmer, Cullompton, Devon. SP–Simon Protheroe, Dudley, West Midlands. MR–Marc Rhodes-Taylor, Swindon, Wiltshire. AS–Andrew Spurgin, Cambridge. SS–Stuart Shiel, Bishop Auckland, Co. Durham. AT–Austin Tate, Edinburgh. DW–David Walker, Scunthorp, South Humberside.
Thanks also to Sue Curtis, London; Simeon Dawes, London; Pat Gardner, Lancing; Jason Hutchinson, Teynham; Steve Rogers, Beccles and Gary Siddall, Nottingham for confirming details which I subsequently have been able to check personally.



The Gerry Anderson All-Series Encyclopedia

Captain Scarlet and the Mysterons

Written by George E. March

Production team: Publisher: Dave Nightingale
Editor: Mike Reccia. Design: Dave Openshaw
Additional Technical Detail: Phil Rae

INTRODUCTION

Captain Scarlet and the Mysterons was Gerry Anderson's sixth puppet programme to be filmed in Supermarionation but the first TV series to use the title of a 'Century 21 Television Production'. It was produced in 1967 for the Incorporated Television Company (ITC) Entertainment's World Wide Distribution network with a final cost of over £1,500,000. 32 episodes were made and had their original independant television screenings in the Associated Television (Overseas) Limited (ATV) London Weekend Television (LWT) area between 29 September 1967 and 14 May 1968. All episodes were filmed in Phase Alternate Line (PAL) broadcast quality colour on 35MM film, and ran for approximately 25 minutes each storyline (including introduction, beginning and end titles), all shown on independant television in a 30 minute time slot with a commercial break halfway.

In the following Episode Credits list the numbers following each item are the episode numbers for their original screening order (those to the left of the Episode Listings, below).

EPISODE CREDITS

Keith Wilson (Production Designer) Episodes (Teamed with John Lague) 1-17, 19-21, 27 + (on his own) 18, 22-26, 28-32.
John Lague (Production Designer) Episodes (Teamed with Keith Wilson) 1-17, 19-21, 27.
Des Saunders (Episode Director) Episode 1.
David Lane (Episode Director) Episode 2.
Brian Burgess (Episode Director) Episodes 3, 5, 17, 20, 27 + (Visual Effects Production Manager) Episodes 10, 14, 16, 18, 22-26, 28-32.
Alan Perry (Episode Director) Episodes 4, 7, 11, 15, 16, 22, 28, 29.
Ken Turner (Episode Director) Episodes 8, 9, 14, 18, 21, 25, 30-32.
Robert 'Bob' Lynn (Episode Director) Episodes 6, 10, 12, 13, 19, 23.
Peter Anderson (Assistant Director) Episodes 2, 4, 24, 26, 29-31.
Leo Eaton (Assistant Director) Episodes 1, 9, 12, 13, 15, 17, 19, 21 + (Episode Director) Episodes 24, 26, 30 + (Teleplay Writer) for Episode 24.
Ian Griffiths (Assistant Director) Episodes 10, 16, 23, 25. Keith Lund (Assistant Director) Episodes 3, 5-8, 11, 14, 18, 27.
Ray Atcheler (Assistant Director) Episode 20.
Ian Spurrier (Assistant Director) Episodes 22, 28, 30, 32 + (Dialogue Synchronisation) Episodes 1, 6, 8, 13.
Tony Barwick (Teleplay Writer) Episodes 2-4, 9-12, 16, 18-20, 22, 23, 25, 29 (shared with Shane Rimmer), 30-32.
Gerry and Sylvia Anderson (Teleplay Writers) Episode 1. Peter Curran and David Williams (Teleplay Writers) Episodes 6, 13, 15, 27.
Richard Conway and Stephen J. Mattick (Teleplay Writers) Episode 8.
Bill Hedley (Teleplay Writer) Episode 14.
Shane Rimmer (Teleplay Writer) Episodes 5, 26, 29 (shared with Tony Barwick).
Ralph Hunt (Teleplay Writer) Episode 17.
Alan Pattillo (Teleplay Writer) Episode 7.
Bryan Cooper (Teleplay Writer) Episode 21.
David Lee (Teleplay Writer) Episode 28.
John Beaton (Editor) Episodes 3, 8, 14, 15, 18, 19, 22, 27, 28.
Harry MacDonald (Editor) Episodes 2, 4-7, 10, 21, 24, 26, 30.
Bob Dearberg (Editor) Episodes 9, 11-13, 16, 17, 20, 23, 25, 29-32.
Len Walter (Editor) Episode 1.
Harry Ledger (Visual Effects Production Manager) Episodes 1-9, 11-13, 15, 17, 19-21, 27.
Shaun Whittaker-Cooke (Visual Effects Director) Episodes 1, 3, 4, 7, 11, 15-17, 19, 20, 22, 24, 27-32.
Jimmy Elliott (Visual Effects Director) Episodes 2, 5, 6, 8-10, 12-14, 18, 21, 23, 25, 26.
Harold Oakes (Visual Effects Lighting Cameraman) Episodes 1, 3, 4, 15, 17.
Bert Mason (Visual Effects Lighting Cameraman) Episodes 2, 5, 6, 8-10, 12-14, 18, 21, 25, 26, 28.
Derek Black (Visual Effects Lighting Cameraman) Episode 19 + (1st Unit Camera Operator) Episodes 6, 8-10, 12-14, 18, 21, 24-26, 28.
Les Paul (Visual Effects Lighting Cameraman) Episodes 7, 11, 16, 20, 22-24, 27, 29-32 + (1st Unit Camera Operator) Episode 19 + (2nd Unit Lighting Cameraman) Episodes 1-4, 6, 8, 9, 13, 15, 17, 25.
Paddy Seale (1st Unit Lighting Cameraman) Episodes 2-5, 15, 17.
Julien Lugrin (1st Unit Lighting Cameraman) Episodes 1, 6, 8-10, 12-14, 18, 19, 21, 24-26, 28.
Ted Catford (1st Unit Lighting Cameraman) Episodes 7, 11, 16, 20, 22, 23, 27, 29-32 + (2nd Unit Camera Operator) Episode 9.
Ted Wooldridge (2nd Unit Lighting Cameraman) Episodes 5, 7, 10-12, 14, 16, 18-24, 26-32.
Ron Gallifant (1st Unit Camera Operator) Episodes 1, 3, 4, 11, 15, 17, 19.
Alan McDonald (1st Unit Camera Operator) Episodes 2-5, 7, 11, 15-17, 20, 22, 23, 27, 29-32.
Tom Fletcher (1st Unit Camera Operator) Episode 1.
Nick Procopides (1st Unit Camera Operator) Episodes 2, 5, 6, 8-10, 12-14, 18, 21, 25, 26, 28.
Ted Cutlack (1st Unit Camera Operator) Episodes 7, 16, 20, 22-24, 27, 29-32 + (2nd Unit Camera Operator) Episodes 1-6, 8, 9, 13, 15-17, 25.
Noel Rowlands (2nd Unit Camera Operator) Episodes 10, 14, 16, 18, 20, 22-24, 26, 28-31.
John Shann (2nd Unit Camera Operator) Episodes 7, 11, 12, 19, 21, 27, 30, 32.
Standard Telecommunication Laboratories (Electronic Collaboration) Episode 12.
Christine Glanville (Puppetry Supervisor) Episodes 1, 5-16, 18-32.
Wanda Webb (Puppetry Supervisor) Episodes 2-4, 17 + (Puppet Operator) Episodes 22, 29-32.
Judith Morgan (Puppet Operator) Episodes 2-5, 7, 10, 11, 15-17, 20, 23, 27.
John Lane (Puppet Operator) Episodes 2-4, 17.
Jan King (Puppet Operator) Episodes 5, 7, 10, 11, 15, 16, 20, 22, 23, 27, 29-32.
Peter Johns (Puppet Operator) Episodes 1, 6, 8, 9, 12-14, 18, 19, 21, 24-26, 28.
Mel Cross (Puppet Operator) Episodes 1, 6, 8, 9, 12-14, 18, 19, 21, 24-26, 28.
John Lee (Puppet Operator) Episode 17.
John Brown (Puppet Sculpting Supervisor/Puppet Sculptor) Episodes 1-4, 6, 8, 13, 17.
Tim Cooksey, Terrance Curtis and Earnest 'Plugg' Shutt Jnr. (Puppet Sculptors) Episodes 5, 7, 9-12, 14-16, 18-32.
James Cowan (Dialogue Synchronisation) Episodes 2-5, 7, 10, 11, 15-17, 20, 22, 23, 27, 29, 30-32.
Antony Bell (Dialogue Synchronisation) Episodes 9, 12, 14, 18, 19, 21, 24-26, 28.
The Spectrum (Theme Music 'Captain Scarlet' © ATV Music Limited 1967). Colin Farsey (Vocals), Keith Farsey (Drums), Tony Atkins (Lead Guitar), Anthony Judd (Bass Guitar), Bill Chambers (Keyboards). Episodes 7, 10, 12, 14, 16, 18, 20, 22-32.

SERIES CREDITS

Gerry Anderson (Executive Producer) + Teamed with Sylvia Anderson (Programme Format).
Sylvia Anderson (Character Creation).
Reg Hill (Producer).
John Read (Associate Producer).
Frank Hollands (Production Manager).
Des Saunders (Director Supervising Series). Derek Meddings (Supervising Visual Effects Director).
Ian Wingrove (Visual Effects Assistant)
Len Walter (Supervising Editor)
Tony Barwick (Script Editor).
Bob Bell (Supervising Art Director)
Grenville Nott (Art Director).
Ron Embleton (End Title Artwork).
Peter Wragg (2nd Unit Visual Effects Director).
Jack Kemsley (Electronic Development)
Arthur Cripps (Property Master).
Iris Richens (Wardrobe/Puppet Costumes)
Mary Turner (Puppetry Co-ordinator).
Don Brill (Dialogue Editor).
Barry Gray (Music Composer/Director).
George Randall (Music Editor).
John Peverill (Supervising Sound Editor).
Peter Pennell (Sound Editor).
Anvil Films Ltd (Sound).
Douglas Hurring (Anvil Recording Supervisor)
Ken Scrivener (Anvil Sound Mixer).

VOICE CREDITS FOR SERIES.

Francis Matthews	Captain Scarlet
Edward Bishop	Captain Blue
Donald Gray	Captain Black; post Mysteronisation / Colonel White / Voice of the Mysterons
Cy Grant	Lieutenant Green
Jeremy Wilkin	Captain Ochre
Gary Files	Captain Magenta
Paul Maxwell	Captain Grey
Charles Tingwell	Doctor Fawn
Janna Hill	Symphony Angel
Elizabeth 'Liz' Morgan	Rhapsody Angel / Destiny Angel
Sylvia Anderson	Melody Angel
Lian Shin	Harmony Angel

See EPISODE LIST for 'guest' voices.

NOTE Jeremy Wilkin also gave the voice for the pre-Mysteron Captain Black which was heard in the first episode and then via flashback in many others.

Concept

Captain Scarlet and the Mysterons details the exploits of the Earth protection force known as Spectrum, from early 2068 onwards. Spectrum is a world wide organisation of crack security agents, each named after a certain colour, complete with colour-coded uniforms and accessories, who repeatedly battle against the Mysterons, an alien race dedicated to the destruction of the planet Earth and its people. With the members of Spectrum living and working onboard the airborne battlestation known as 'Cloudbase', with a single aim in life – the defence of Earth against the Mysteron threat.

Story Origins

After nine months of organisation Spectrum was launched by the World Government on Thursday, the 28th of September 2065 when the Spectrum selection committee started its search for eligible members, the inaugural charter for the organisation was drawn up on Saturday, the 7th of July 2067, and the charter was signed by the second World President on Tuesday the 10th of July 2067, three days later. With the organisation originally designed as an elite, general security force to work alongside Earth's other special security forces, such as the World Aquanaut Security Patrol and World Navy (patrolling the Earth's oceans), World Space Patrol (governing outer space, and supporting the Solar System Exploration Centre and Space Exploration Taskforce), World Army/Air-Force (taking care of Earth's atmosphere and surface in conventional, military troublespots), and Universal Secret Service and World Intelligence Network (handling espionage, terrorist activity and major criminal organisations). So Spectrum was created to ease 'pressure' on these organisations as a whole and to liaise between each of the other separate groups. In February of 2068 a Zero-X mission to Mars reached the planet, and a Solar-System Exploration Centre crew of two, under the command of Captain Black, went down onto the planet's surface. There they encountered an alien complex, apparently controlled entirely by sentient computers. As a direct result of Zero-X co-pilot, Lieutenant Dean's all too human emotions he panicked and Black ordered him to open fire upon the city, causing its destruction. Though mechanisms were activated and a device emitted a 'green ray' which shone upon the remains of the city mysteriously recreating it in an instant. And the Mysterons spoke to the people of Earth for the first time. Thus beginning the Mysteron's 'War of Nerves' against the people of Earth, with their first attack, the attempted assassination of World President Younger. From this time onwards the Spectrum organisation became the Earth's first line of defence against the 'Mysterons from Mars'. (See also 'THE MYSTERONS' TV episode and THE MYSTERONS: A SYNOPSIS, below).

Episode Listing using Original Screening Order

Including voice credits for individual episodes, Mysteron threat per episode, the order in which the episodes were originally produced and various notes of interest. With original air-date as of ATV Midlands.

The end credits for various episodes carried

this voice over, sung by a band known as The Spectrum (see EPISODE CREDITS, above). . .

"Captain Scarlet, he's the one who knows the Mysteron Game, and things they plan.

Captain Scarlet, to his Martian foes a dangerous name, a Superman.

They crash him, and his body may burn.

They smash him, but they know he'll return, to live again.

Captain Scarlet. As the Angels are flying, wing to wing, into the scene, Spectrum Is Green.

Captain Scarlet, though the Mysterons plan to conquer the Earth, this indestructible man will show what he's worth. Captain Scarlet. In-destruc-tible, Captain Scarlet."

1) **The Mysterons**. 29 September 1967. Production order 1. The beginning credits for episode 1 carried this voice over by Ed. Bishop..

"The finger is on the trigger, about to unleash a force with terrible powers beyond the comprehension of man. This force we shall know as the Mysterons. This man will be our hero, for fate will make him indestructible. His name, Captain Scarlet. This is the trigger a Martian Exploration Vehicle, inside three men from Earth."

All episode threats were voiced by Donald Gray, and all threats except for 'Seek and Destroy' were preceded by the phrase..

"This is the voice of the Mysterons. We know that you can hear us, Earthmen."

THREAT "Our retaliation will be slow, but none the less effective, it will mean the ultimate destruction of life on Earth. It will be useless for you to resist for we have discovered the secret of reversing matter, as you have just witnessed. One of you will be under our control. You will be instrumental in avenging the Mysterons. Our first act of retaliation will be to assassinate your World President."

STORYLINE The Martian Exploration Vehicle from a Zero-X mission to Mars, in search of mysterious signals detected by Spectrum, carries three people who discover a fantastic alien complex. There they mistake scanning devices for weapons and the vehicle's commander, Captain Black, orders the complex's destruction. The Mysterons swear revenge upon the Earth for the attack on their complex, and Captain Black, now controlled by these beings, returns to Earth as their agent. The Mysterons cause a Spectrum saloon car, carrying Captains Scarlet and Brown, to crash, killing them both. The Captains are then duplicated by the Mysterons and sent to kill the World President. Both of them die for a second time in their attempts, but Scarlet revives, completely free from the Mysteron's control, and he is now totally indestructible.

VOICE CREDITS Lieutenant Dean/Captain Brown/Voice of Spectrum Headquarters, London/Voice of Spectrum helicopter A42 (Charles Tingwell). Captain Black (pre Mysteronisation) /Delta petrol station man (SPV A69 attendant)/Voice of Spectrum, New York radio operator (Jeremy Wilkin). World President Younger (Paul Maxwell).

NOTES No true on-screen title for this episode was given, but it has commonly become known as 'The Mysterons'. One point of interest is, that if Captain Black comes from Manchester, Lancashire (in his official biography from the Scarlet annuals), how come he speaks with an American accent before his Mysteronisation? The only other regular member of Cloudbase NOT to appear in this episode is Captain Ochre. Also the date is given on-screen as 2068.

2) **Winged Assassin**. 6 October 1967. Production order 2. The beginning credits for episode 2 carried this voice over, by Donald Gray . . . "Captain Scarlet is indestructible, you are not. Remember this, do not try to imitate him."

THREAT "You will pay for your unprovoked attack on our complex on Mars. We will be avenged. We will assassinate the Director General of the United Asian Republic."

STORYLINE Captain Grey is detailed to escort the Director General of the United Asian Republic, in a disguised VIP transporter, to London International Airport. Elsewhere, airplane Delta-Tango 19 is forced to crash into the sea on its way to the airport, and is Mysteronised. At the airport Captains Scarlet and Blue overview security as the Director General boards his personal plane. When the plane attempts to leave, DT.19 moves to assassinate him by crashing into it. Using SPV 105 Scarlet knocks the landing gear out from under DT.19 causing it to collapse, but still the Director General's plane collides with it, killing him.

VOICE CREDITS Real Director General of United Asian Republic/Decoy Director General (Jeremy Wilkin). Pilot of Delta-Tango 19 airliner (Paul Maxwell). Co-pilot of DT.19 airliner/London International Control Tower chief (Martin King). Spectrum agent 042 (SPV 105 attendant)/LICT radio operator/Captain Brown (Charles Tingwell). Intercontinental Airlines, New York tannoy (Janna Hill).

NOTES The Lieutenant Dean puppet from the episode 'The Mysterons' reappeared as the London International Control Tower chief, and the voice of Captain Brown was heard again in this episode when the deaths and Mysteronisation of Captains Scarlet and Brown were recalled from 'The Mysterons', by Scarlet. At one point Destiny Angel speaks with Rhapsody's voice. The date is given by Spectrum agent 042 as the 10th of July (see CHRONOLOGY; 10/7/2068, also see notes for episode 30).

3) **Big Ben Strikes Again**. 13 October 1967. Production order 3. The beginning credits for all remaining, 29 episodes (as, like episodes 1 and 2, episode 15 also had different opening titles) carried this voice over, by Ed. Bishop.

"The Mysterons, sworn enemies of Earth, possessing the ability to recreate an exact likeness of an object or person. But first they must destroy. Leading the fight, one man fate has made indestructible. His name, Captain Scarlet."

THREAT "You attacked our complex on Mars, and you will pay a heavy price. Our next act of retaliation will be to destroy the city of London. Do you hear, Earthmen? We will destroy the city of London."

STORYLINE The Mysterons seize control of a truck, carrying a nuclear device to its safe detonation site, and force it to detour through London. The truck hides itself in an underground car park, and the driver is knocked unconscious. Spectrum forces now search all of London's underground car parks for the truck, eventually locating it with the help of an SPV. Captain Scarlet drives this truck to the bomb's original detonation site, with Blue driving the SPV, and they reach it with seconds to spare.

VOICE CREDITS Macey/2nd escort Police car driver (Charles Tingwell). 1st escort Police car radio operator (Paul Maxwell). 1st escort Police car driver (Martin King). 2nd escort Police car radio operator/Voice of bomb truck, radio announcer (Jeremy Wilkin).

4) **Manhunt**. 20 October 1967. Production order 5.

THREAT "We will continue to take our revenge. You started the shock-wave with your attack on our Martian complex. This act of aggression will be revenged. Our retaliation will be slow, but none the less effective. You will pay in full."

STORYLINE Captain Black, missing since the Zero-X returned to Glenn Field Space Port from Mars, is sighted by cameras as he sets off a security alarm at the Culver Atomic Center (sic). Black becomes radioactive for 24 hours and escapes the centre into the surrounding countryside. Spectrum is alerted and sets up Angel and detector van patrols, enclosing Black in an ever tightening circle. Symphony Angel lands her jet, but is captured by Black who takes her hostage back to the centre. Black escapes Spectrum's clutches again using Symphony as a decoy in a stolen SPV.

VOICE CREDITS Security guard Richards/Car mechanic (Stone Point Village Filling Station; SPV 0782 attendant) (Gary Files). Security guard Harris (Charles Tingwell). Security chief (Martin King). 3rd security guard (Jeremy Wilkin). 4th security guard/Geigercounter truck 3 operator (David Healy). 5th security guard (Paul Maxwell).

NOTES The Lieutenant Dean puppet from the 'The Mysterons' reappeared as the Geigercounter truck 3 operator.

5) **Avalanche.** 27 October 1967. Production order 11.

THREAT "Our next strike is imminent. We will show you how weak you really are. Within the next four hours we will destroy key links in your Frost Line, Outer Space Defence System. We will be avenged."

STORYLINE The driver of a liquid oxygen truck is killed when the truck crashes and both are duplicated by the Mysterons. The truck is on its way passing through the Frost Line Defence System, part of Earth's Outer Space Defence System, wiping out each base in the defence line as it moves on to Frost Line Control. Captain Scarlet and Lieutenant Green are dispatched to investigate. After speaking with an entrance guard Scarlet sets off after Eddie, the Mysteronised truck driver, in an SPV, and eventually stops him by causing an avalanche.

VOICE CREDITS General Ward (Commander in Chief Frost-Line Defence) (Paul Maxwell). Sergeant Marshall (FLD Control) (Charles Tingwell). Lieutenant Burroughs (FLD Control)/Voice of radio (in Red Deer radio room) (Jeremy Wilkin). Eddie (FLD liquid oxygen tanker driver)/French-Canadian (log-cabin owner; SPV 503 attendant)/Corporal (Big Bear Base entrance gate sentry) (Gary Files). Joe (Red Deer Base entrance gate sentry)/Cariboo Base entrance gate sentry (Martin King).

NOTES The General Ward puppet from this episode later appeared as Igor Sladek in the Joe 90 episode 'International Concerto'. The Delta petrol station attendant from 'The Mysterons' reappeared as an unconscious technician at Red Deer Base

6) **White as Snow.** 3 November 1967. Production order 8.

THREAT "We also know of your pathetic attempts to defend yourselves. Our next act of retaliation will be to kill the Commander in Chief of Spectrum, Colonel White. Do you hear, Earthmen? We will kill Colonel White "

STORYLINE Captain Black causes the destruction and Mysteronisation of radio satellite TVR.17, sending it on a collision course with Cloudbase. The satellite is destroyed and Colonel White leaves Cloudbase for a secret location, aboard a World Navy submarine. After an argument with the Colonel Captain Scarlet sets out after him, to offer protection. A member of the sub's crew is killed and replaced by a Mysteron double, who then sets out to assassinate the Colonel, but Scarlet is hidden aboard the sub' and replaces the Colonel as a decoy target.

VOICE CREDITS Bob Lynn (TVR.17 radio satellite DJ)/Submarine Ensign Soames (Gary Files). TVR 17 radio satellite controller (Martin King). Helicopter 5507 pilot (Jeremy Wilkin). Submarine commander (Paul Maxwell). Lieutenant Belmont (Charles Tingwell).

NOTES The only other regular member of Spectrum NOT to appear in this episode is Dr. Fawn. The radio satellite DJ Bob Lynn was named after the director of the episode itself, Robert Lynn

7) **The Trap.** 10 November 1967. Production order 17.

THREAT "We are transmitting on all your radio and television frequencies. We will continue to strike when and where you least expect it. At the appointed hour, as the clock is chiming, the wings of the world will be clipped."

STORYLINE Melody Angel is escorting Commodore Goddard and his pilot, Captain Holt, to Cloudbase when the Commodore's plane is struck by lightning, crashes and is Mysteronised. Members of the World Air-Force are ferried from Cloudbase to a conference at Glen Garry Castle, Scotland, in an Air-Force Magna 'Copter by Symphony Angel, where later Captain Scarlet is captured by the Mysteron agents, when he searches the castle at night. Symphony is also captured, but she and Scarlet are freed by the castle caretaker, and she readies the helicopter for takeoff as Scarlet tackles the Mysterons, with the help of Captain Blue in an SPV.

VOICE CREDITS Commodore Goddard (David Healy)/Francis Matthews also supplied the Scarlet voice for the Mysteronised Goddard's impersonation of Scarlet. Captain Holt (pilot of Flight XQR) (Gary Files). Mr. Morton/Auld Lang Syne Distillery entrance guard (SPV A75 attendant) (Jeremy Wilkin).

NOTES The Robert Mitchum lookalike puppet appeared as Mr. Morten Also the Delta petrol station attendant from 'The Mysterons', the puppet which would later appear as Sam Loover in the Joe 90 series and the puppet, later to be seen as an Arab shop owner in 'Point 783', all appeared as conference guests

8) **Operation Time.** 17 November 1967. Production order 6.

THREAT "We will continue to take our revenge You will pay for your act of aggression. Our next act of retaliation will be to kill time. We will kill time."

STORYLINE The car of brain surgeon Dr. Magnus is forced to crash by Captain Black and Magnus is Mysteronised. Hours later Magnus is to operate on General Tiempo. Tiempo is the Spanish word for 'Time' and Captain Magenta informs Colonel White of this. The Colonel then orders Magnus to perform the operation aboard Cloudbase for safety. With the operation in progress the radiographer, who is checking the General's X-Rays, discovers that one of the photographs has Tiempo as an X-Ray but Magnus as normal. The alarm is raised, but Magnus escapes to the Engine Room, where Captain Blue confronts him and the Mysteron is electrocuted.

VOICE CREDITS Mr. Morgan (Magnus' 1st Patient) (Charles Tingwell). Dr. Theodore Magnus (also referred to as professor Magnus.) (Martin King). 1st Morgan operation observer/Dr. Turner (Gary Files). 2nd Morgan operation observer/Radiographer (Jeremy Wilkin). Benson (car attendant)/General J. F. Tiempo (Paul Maxwell). Westbourne Clinic nurse (Liz Morgan).

NOTES The General Ward puppet from 'Avalanche' reappeared as General J. F. Tiempo. The Westbourne Clinic nurse in this episode later went on to appear as the Angela Davis character from the Joe 90 episode 'Three's a Crowd', and the TVR.17 Control Centre building from the episode 'White as Snow' reappeared as the Westbourne Clinic building. The date is given as the 14th of March on a form signed by the General.

9) **Spectrum Strikes Back**. 24 November 1967. Production order 10.

THREAT "We know of your pathetic attempts to discover our secrets, but you will never succeed. You will never solve the Mystery of the Mysterons."

STORYLINE A conference takes place in the Spectrum Intelligence Agency building, hidden beneath the hunting lodge of a game reserve. With the World President, Spectrum and SIA staff now below ground, Captain Black enters the lodge, and kills Captain Indigo who is then Mysteronised. Dr. Giardello of the SIA demonstrates two new anti-Mysteron weapons, and accidentally takes a positive photo' of Indigo in the process. Indigo leaves before being discovered, but activates an elevator system in order to crush those in the room below the Lodge. Indigo takes the key from the lift system and Captain Scarlet sets off after him. With the help of a security guard, Scarlet eliminates Indigo using the new Mysteron gun.

VOICE CREDITS World President Younger (Paul Maxwell). Space General Peterson (Charles Tingwell). Dr. Giardello (Jeremy Wilkin). Captain Indigo/Security-Post 14 guard (Gary Files). Security-Post 28 (guard at main entrance) (Martin King). Security-Post 40 guard (Gary Files and Martin King).

NOTES The Robert Mitchum lookalike puppet appeared again as Dr. Giardello, and the Macey puppet from 'Big Ben Strikes Again' appeared again as Captain Indigo. Also note that the voice for security guard 40 is at first voiced by Gary Files, but is apparently voiced later on by Martin King.

Colonel White

10) **Special Assignment**. 1 December 1967. Production order 20.

THREAT "We will deal another crushing blow, we told you we intend to obliterate the sub-continent of North America. We will be avenged."

STORYLINE Two men are killed in a crash, after the brakes on their car are tampered with, and they are duplicated. Realising the Mysteron threat Captain Scarlet is sent on a secret mission, is fired for gambling (all part of Colonel White's plan.), and the two Mysterons approach Scarlet with an offer to pay off his debts if he gets them an SPV as part of their plan. Captain Blue sets out after his old friend, Scarlet, and discovers that the Mysteron's target is Nuclear City, Nevada. The Colonel orders the Angels on patrol, and Melody becomes suspicious about the SPV. The Colonel orders them to destroy the SPV, and Scarlet ejects just before it explodes

VOICE CREDITS Mason (Mason's Autos garage mechanic) (Shane Rimmer; uncredited). Steele (1st conman) (Martin King). Kramer (2nd conman)/Dice Club roulette table croupier/Security Block Commander in Nuclear City, Nevada (Gary Files). Vincent Bar's barman (Jeremy Wilkin). Delta gas station (SPV 104 attendant) (Martin King).

NOTES The Lieutenant Dean puppet from 'The Mysterons' reappeared as the Delta gas station attendant, the Captain Brown puppet reappeared as the barman, and the reporter puppet later to appear in 'Flight to Atlantica' appeared here as the roulette table croupier. The Robert Mitchum lookalike, and Helga (fashion model) puppet later to appear in the episode 'Model Spy' both appeared at a roulette table of the Dice Club. The tune 'White as Snow' from the episode of the same name was heard again in a garage sequence.

11) **The Heart of New York.** 8 December 1967. Production order 13.

THREAT "We've seen the greed and corruption of the World in which you live, and will take our revenge upon it. We will destroy the Heart of New York. We have not forgotten."

STORYLINE The Spectrum Security Vaults are broken into by two men and Spectrum is alerted. The robbers are joined by a third man and the papers they stole tell them of the Mysteron's abilities. Spectrum learns of the new Mysteron threat to destroy the 'Heart of New York' and the city is evacuated. The criminals fool Spectrum into believing that they are now Mysterons, by faking their own deaths. Passing a Spectrum road block, by posing as FBI men, they then enter the city and break into the 2nd National Bank of New York. Captains Scarlet and Blue realise the conmen are not true Mysterons and follow them into the city. But Captain Black is also there and he imprisons the crooks in the vault before destroying the bank, killing the men in the process. Scarlet and Blue chase after Black, but he escapes by teleporting away.

VOICE CREDITS Spectrum Security Vaults night guard/Carl (3rd bank robber) (Martin King). C. Kruger (1st bank robber) (David Healy) Dog (2nd bank robber) (Gary Files) Forest-fire lookout (Fire Lookout Tower 072) (Jeremy Wilkin)

NOTES The puppet which would later appear as Sam Loover in the Joe 90 series appeared as Kruger the first bank robber

12) **Lunarville 7** 15 December 1967. Production order 16

THREAT "We have no quarrel with the Moon, and we accept their offer of friendship. But we will continue to take our revenge against the Earth. We will be avenged."

STORYLINE Colonel White becomes suspicious after the Mysterons offer friendship with the Moon. The Colonel warns his staff of a Mysteron complex being built in the Humbolt Sea on the Moon, and sends Captains Scarlet, Blue and Lieutenant Green to investigate. There the Spectrum officers become suspicious after their trip in a moon mobile is halted and they return to Lunarville 7. The Mysteronised Lunar Controller has cleared the city and imprisons Scarlet, Blue and Green. In the night Scarlet steals the controller's badge, by which the Speech Intelligence Decoder (SID) computer recognises people, and they set off to investigate the Hombolt Sea. There they discover a Mysteron complex (much the same as Captain Black had discovered on Mars) and return to Lunarville 7. Scarlet and the others escape in a rocket back to Earth, as the Lunar Controller destroys the SID computer.

VOICE CREDITS Lunar Controller (David Healy) Orson (Lunar Controller's personal aide) (Martin King) Speech Intelligence Decoder (SID) computer (see NOTES, below). XK3 Moon rocket pilot (Gary Files). Voice of XK3 rocket control (Jeremy Wilkin).

NOTES 'Lunarville 7' is the first episode of a loose-knit trilogy of stories (also episodes 18 and 20) involving Earth's Moon, the construction of a Mysteron complex there and the Mysteron's 'Pulsator' crystal. This trilogy is known as both the 'Lunarville Trilogy' and the 'Pulsator Trilogy' Also note that the rocket taking the Spectrum staff to the Moon is referred to as XK3 by Captain Magenta (the rockets casing also shows it as XK3), but the rocket's pilot refers to it as XK5. Captains Scarlet, Blue and Lieutenant Green have colour-coded seat belts in the none Spectrum Moon-Mobile, which keep swapping places back and forth. The puppet which would later appear as Sam Loover in the Joe 90 series appeared as the Lunar Controller. The General Ward puppet from 'Avalanche' reappears as the XK3 moon rocket pilot. Two different sources I have both state that Gerry Anderson was the un-credited voice for the SID computer, though Gerry has himself in the past said that the ONLY voice he ever did was Robert the robot from Fireball XL-5?

13) **Point 783** 22 December 1967. Production order 4. The beginning of the Mysteron threat for this episode is similar to that spoken by the Mysterons at the beginning of every other episode, though has the word 'THAT' deleted.

"This is the voice of the Mysterons.. We know you can hear us, Earthmen."

THREAT "We have not forgotten. We will destroy the Supreme Commander of Earth's Forces within the next twenty four hours. Supreme Commander, you have only twenty four more hours to live."

STORYLINE Captains Scarlet and Blue escort the Supreme Commander of Earth Forces to Supreme Headquarters Earth Forces HQ. Meanwhile the car carrying Colonel Storm and Major Brookes to SHEF crashes into a methane truck and is Mysteronised. Meeting with the commander at SHEF the body of the Mysteron Brookes explodes in an attempt to kill him, but fails. Blue escorts the commander to the Unitron testing site, Point 783, in the Sahara desert, but Captain Black relays the Mysteron's instructions to Storm. The Unitron tank is using Storm as a homing device, and it attacks the command post. Scarlet drives to Point 783 to rescue the Supreme Commander. He picks up the commander and Storm, but the tank still homes in on Storm and the SPV. Scarlet and the commander eject and both the SPV and the tank are destroyed as they fall off a cliff.

VOICE CREDITS General Cope (in Point 783 command)/Major Brookes (David Healy). Captain Hassel (Unitron operator) (Charles Tingwell). Supreme Commander of Earth's Forces (Paul Maxwell). Colonel Storm/Voice of 1st SHEF computer (Jeremy Wilkin). Methane Corporation of America truck passenger (Martin King) Arab desert shop owner (SPV 428 attendant)/Voice of SHEF security bank computer (Gary Files). Voice of conference announcer (see NOTES, below). Voice of Desert Command (David Healy).

NOTES The puppet later to appear as Sam Loover in the Joe 90 series appeared in this episode as the Supreme Commander of Earth's Forces, the Robert Mitchum lookalike reappeared as Colonel Storm, and the TVR 17 Control Centre from 'White as Snow' reappeared as SHEF headquarters. The Commodore Goddard puppet from 'The Trap' re-appeared as Major Brookes. The voice of a conference announcer was also heard in this episode although I have, as yet, been unable to find the voice artiste?

14) **Model Spy.** 29 December 1967. Production order 18. The beginning of the Mysteron threat for this episode is similar to that spoken by the Mysterons at the beginning of every other episode, though has the word 'THAT' deleted.

"This is the voice of the Mysterons . We know you can hear us, Earthmen."

THREAT "We will continue to take our revenge. You should never have attacked our Martian complex. We are about to attack the House of Verdain. Andre Verdain will die."

STORYLINE A monorail train crashes killing fashion models Gabrielle and Helga who work for the fashion house of Andre Verdain. This fashion house is really the cover for the European Area Intelligence Service, and Captains Scarlet, Blue and Symphony and Destiny Angels are sent undercover to protect Verdain. They and the Mysteron agents join Verdain aboard his yacht, where onboard Gabrielle floods the engine room with fuel setting the boat alight. They all escape, and later at a party Captain Black attempts to shoot Verdain from a window-washers platform. Gabrielle turns out the lights and Helga and Black escape with Verdain as prisoner. Scarlet gives chase, with Blue following in an SPV. Black drops a grenade causing Scarlet to crash. Blue picks him up in the SPV and they chase the Mysteron agent's car into a tunnel. The far end of the tunnel is road blocked and Helga throws Verdain from the car, just before it teleports.

VOICE CREDITS Andre Verdain/Casino commissionaire (SPV attendant) (Jeremy Wilkin). Helga (fashion model) (Liz Morgan). Gabrielle (fashion model) (Sylvia Anderson).

NOTES The Westbourne Clinic nurse from 'Operation Time' reappeared as the fashion model, Gabrielle. The Arab shop owner puppet from 'Point 783' and the Delta petrol station attendant puppet from 'The Mysterons' appeared as party guests.

15) **Seek and Destroy.** 5 January 1968. Production order 9. The beginning credits for episode 15 carried this voice over, by Ed. Bishop (though reference sources quote it as being a rare version only on American prints. But American video systems use National Television Systems Committee (NTSC) signals which wouldn't work on British video players, but this episode does play on my machine. What would be the purpose of converting an episode for the American market to a British standard, Phase Alternate Line (PAL)?

"One man, a man who is different. Chosen by fate, caught up in Earth's conflict with the Mysterons. Determined, courageous, indestructible. His name, Captain Scarlet."

The beginning credits for episode 15 also carried this voice over, by Donald Gray..

"Captain Scarlet is indestructible, you are not. Remember this, do not try and imitate him."

The Mysteron threat for this episode is similar to that spoken by the Mysterons at the beginning of 'Manhunt', though has a different ending.

THREAT "This is the voice of the Mysterons. We will continue to take our revenge. You started the shock-wave with the attack on our Martian complex. This act of aggression will be avenged We intend to kill one of the Spectrum Angels. Spectrum Angels, one of you will die."

STORYLINE Delivery truck driver, Jackson is killed by Captain Black and the Fairfield Engine Company warehouse is destroyed by fire. Captains Scarlet and Blue are sent to Paris, France, to bring the holidaying Destiny Angel back to Cloudbase, and after locating her the three head back. The three Angel jets inside the warehouse are Mysteronised and set off to assassinate Destiny Cloudbase is told of the fire, but meanwhile on their way to Cloudbase Scarlet becomes dizzy and orders Blue to stop the car. The Captains and Destiny escape, hiding in a ditch, just as the Mysteron jets fly overhead The jets begin to attack the empty car and Scarlet contacts Cloudbase Colonel White orders the real Angels to attack the Mysteron jets. During the air battle Harmony ejects and her plane is destroyed, but so are the Mysterons and the Captains and Destiny have a long walk back to Cloudbase

VOICE CREDITS Jackson (crate truck driver) (Jeremy Wilkin). Fire chief (Paul Maxwell) Mr Fairfield (Charles Tingwell).

NOTES The 'Cafe de la Paix' where the Captains find Destiny translates as 'Cafe of the peace' or rather 'Cafe of peacefulness'.

16) **Traitor.** 12 January 1968. Production order 24

THREAT "The Spectrum organisation will be torn apart from within, the traitor among you will create havoc and destroy morale."

STORYLINE Spectrum hovercraft 8, from Koala Base Cadet Centre, crashes and Spectrum is informed. Colonel White sends Captains Scarlet and Blue to investigate undercover as lecturers. Phil Macon is suspected of setting a fire in the Captain's bedroom at night, but this is never proven. Macon is suspicious of Scarlet and Blue is suspicious of the base commander, Major Stone. With everyone feeling on edge because of the Mysteron's threat. Cadet Leader Joe Johnson, Macon and the Captains are sent out on patrol testing hovercraft 4 when it starts to malfunction. Macon pulls a gun and starts accusing Scarlet, but he loses the gun just in time. Johnson, Macon and Blue escape just before the hovercraft explodes Later the 'traitor' is found to be a valve from the hydraulic system.

VOICE CREDITS Phil Macon (Spectrum cadet) (Gary Files). Joe Johnson (Cadet leader) (Jeremy Wilkin). Major Stone (Koala Base commander) (David Healy).

NOTES The voice of Spectrum helicopter A42 was heard again in this episode when the Mysteronised Captain Scarlet and kidnapped World President Younger, Captain Blue in SPV A69, Captain Black relaying instructions to Scarlet and Destiny in Angel 1, were recalled in a flashback sequence from 'The Mysterons', by Blue It is implied in this episode that the faulty valve of the Spectrum hovercraft was somehow chemically re-structured, presumably by the Mysterons though this is never stated directly. At one point Destiny also speaks with Rhapsody's voice. The Doig puppet from 'Heart of New York' reappeared as Phil Macon (Spectrum cadet). Sources I have give two separate dates for the first transmission of this episode in the ATV Midlands area. The first as 12 January, the other as 23 April, both 1968

17) **Renegade Rocket.** 19 January 1968 Production order 7.

THREAT "We are going to launch one of your own incendiary rockets, and you will have no way of knowing its target. We have not forgotten. We will continue our 'War of Nerves'."

STORYLINE Major Reeves falls from the deck of Rocket Base Concord boat, 34, drowns and is Mysteronised. At the base Reeves kills a rocket controller and takes his place, launching a Variable Geometry Rocket (VGA) straight up into the atmosphere. Entering a launch code into the Flight Program Unit, he removes the panel and takes it with him in a stolen plane. Captains Scarlet and Blue are sent to investigate. The sergeant, taking over as replacement controller, realises that the VGA is on a vertical flight path straight up and will come down directly on top of the base A replacement Flight Programmer is fitted, and Scarlet and Blue begin to enter words from a codebook. Reeves is shot down, and the Flight Programmer is thrown clear, slowly sinking to the seabed. The Captains are ordered to leave the base, but disobey orders and continue to input codewords. The rocket levels off and is about to hit, just as the first Program Unit, now on the seabed, falls over and the rocket detonates harmlessly.

VOICE CREDITS Major Reeves (Gary Files) Base Concord boat 34 Captain/Base Concord soldier (Jeremy Wilkin). 1st, Base Concord rocket room controller (Charles Tingwell) Sergeant (2nd, Base Concord rocket room controller)/Voice of airstrip tannoy (Martin King). Base Concord commander (Paul Maxwell)

NOTES The Captain Brown puppet from 'The Mysterons' reappears as Major Reeves, the General Ward puppet from 'Avalanche' appears again as the Captain of Base Concord boat 34, and the Macey puppet from 'Big Ben Strikes Again' appears again as the first, rocket room controller. A few pieces of interest are that at first the original rocket room controller has a black star on his right epaulette which vanishes halfway through the scene, also Major Reeves wears the 2 stars of a US Army Major General before he falls from the boat but his Mysteron double wears the single star of a US Army Brigadier General when he returns to the boat, which then returns to 2 stars at Base Concord. Reeves also possesses Scarlet's red Spectrum gun. The Base Concord commander is wearing the 3 stars of a US Army Lieutenant General, and at one point Angel 1 speaks with Melody's voice, but Melody and Harmony are seen entering Angels 2 and 3, making Rhapsody Angel 1.

18) **Crater 101**. 26 January 1968. Production order 22

THREAT "Although you have discovered our complex on the Moon, it will never reveal its secrets. Anyone who dares to enter will be destroyed. You have been warned, we have not forgotten."

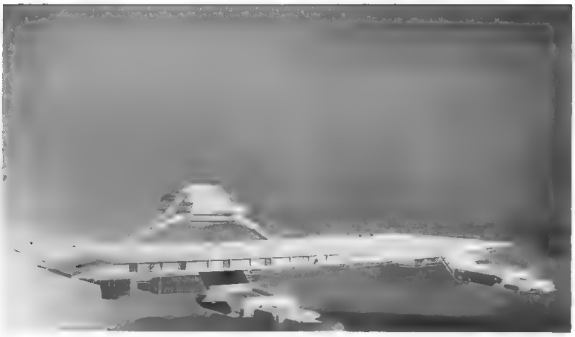
STORYLINE Colonel White sends Captains Scarlet, Blue and Lieutenant Green to crater 101 on the moon. The idea is for Fraser, the Luna Tank driver, to deliver a bomb to the Mysteron complex, after the Spectrum agents have taken the Mysteron's power source, and destroyed the control vehicle. Linda Nolan, the controller of Lunarville 6, gives Scarlet a good luck charm (see CHRONOLOGY 10/07/2058), and the men

Captain Black

set out for the crater The Mysteron control vehicle spots the tractor and sends two defence craft to attack it, but Green destroys the control vehicle with the tractor's rocket. Fraser tells Linda he has set the bomb for 10 not 12 O'clock, and delivers it to the crater. Scarlet, Blue and Green enter the complex and begin searching. Scarlet finds the power source, removes it, and Linda launches an old CB.29 rocket. Scarlet and Green remember the words on her pendant as Blue checks the bomb's timer. Blue and Green escape in the moon mobile, as Scarlet removes the power source, and he escapes with seconds to spare

VOICE CREDITS Linda Nolan (controller of Lunarville 6) (Sylvia Anderson). Fraser (Lunar Tank driver) (David Healy). Shroeder (Lunar officer) (Jeremy Wilkin)

NOTES 'Crater 101' is the second episode of a loose-knit trilogy of stories (including episodes 12 and 20). Also of interest is the fact that the Lunarville 6 controller, Linda Nolan, gives Scarlet a 'lucky charm' in this episode, it is apparently the same medallion which Blue says he had given Symphony Angel for her birthday, in Episode 4. The Westbourne Clinic nurse from 'Operation Time' reappears as Linda Nolan, the General Ward puppet from 'Avalanche' reappears as Shroeder, and the box-like periscope from the episode 'White as Snow' reappears as part of the gun-sights for the Moon-Tractor.



Cloudbase

19) **Shadow of Fear.** 2 February 1968. Production order 12.

THREAT "The eye that dares to look upon our planet has been destroyed. You will never succeed, you will never discover the secret of the Mysterons We will be avenged."

STORYLINE Captains Scarlet and Blue are at K.14 Space Observatory in the Himalayas. A decoy satellite, on its way to Mars, is destroyed by the Mysterons, and the 'real' satellite lands safely on Phobos, a moon of Mars. Dr. Breck is hypnotised, killed and Mysteronised whilst using a telescope. The Mysteronised Breck goes missing and he plants a bomb in the radio telescope's aerial rotation gear before escaping into the hills The satellite on Phobos starts taking pictures, ready to send back to Earth, but meanwhile Melody Angel and Captain Grey are in a Spectrum helicopter, spot Breck with a Mysteron detector, and his location is given to Scarlet and Blue The bomb explodes, destroying the Observatory just as the Mars photographs are radioed to Earth by the Phobos satellite.

VOICE CREDITS Angelini (oscilloscope technician) (Jeremy Wilkin). Carter (2nd technician) (Charles Tingwell). Dr. Breck (Paul Maxwell)

NOTES The only other regular member of Spectrum NOT to appear in this episode is Doctor Fawn. The box-like periscope from the episode 'White as Snow' reappears as part of the radio telescope in the K.14 Observatory, used by Breck to view Mars, also part of the Marineville Control Tower from Stingray appears again as the K.14 Observatory building.

20) **Dangerous Rendezvous.** 9 February 1968. Production order 19

THREAT "Our next act of retaliation will be to destroy Cloudbase. Do you hear? Spectrum's headquarters, Cloudbase, will be destroyed at midnight "

STORYLINE Dr. Kurnitz from the Nash Institute of Technology is taken to Cloudbase by Captain Ochre, in the Yellow Fox tanker. Kurnitz has designed a communications console exactly like that seen on the moon (in episode 18), on which the 'Pulsator' crystal was laid. At midnight Colonel White makes a transmission to Mars using the 'Pulsator' The Colonel recalls the Zero-X survey mission to Mars from 'The Mysterons', and Cloudbase waits for their reply. They eventually answer the Colonel's message and request an unarmed member of Spectrum board a jet, given the co-ordinates, and fly to an unknown location past Greenland. Following their instructions, Scarlet does just that, and ejects on their orders, entering a Mysteron controlled car. Captain Black is hidden at the meeting point and attempts to assassinate Scarlet with an exploding 'Pulsator'. Scarlet hurries to the Renvik radar station and manages to send a morse code alert to Cloudbase about the 'Pulsator' Ochre just manages to throw it out of a window before it explodes.

VOICE CREDITS Dr. Kurnitz (Jeremy Wilkin). Dr Kurnitz secretary (Sylvia Anderson)

NOTES 'Dangerous Rendezvous' is the final episode of a loose-knit trilogy of stories (which includes episodes 12 and 18) The voices of Lieutenant Dean and pre-Mysteronised Captain Black were also heard again in this episode when the destruction of the Mysteron city on Mars was recalled from 'The Mysterons', by Colonel White. The Helga puppet from 'Model Spy' reappears as Dr. Kurnitz secretary.

21) **Fire at Rig 15.** 16 February 1968. Production order 14

THREAT "We have observed the pathetic attempts of Spectrum to combat us, and we have decided to render them powerless. We intend to immobilise the whole of Spectrum."

STORYLINE Superintendent Kinley and technician Charlie Hansen are working on Rig 15, at the Spectrum oil-refinery, Bensheba, when a valve is moved by the powers of the Mysterons, and is fully opened, putting the incoming oil at great pressure The rig explodes, but the crew escape and Colonel White sends Captains Scarlet and Blue to the rig. The oil-refinery at Bensheba is the main fuel supplier for the entire Spectrum organisation, which will become immobile if the rigs are destroyed. At the refinery fire expert Jason Smith, is killed and Mysteronised. Smith's real body is buried in the rubble by his double, who is then contacted by Captain Black Smith is ordered to take his explosives van to the Bensheba refinery. After he has left, Kinley discovers Smith's real body, and the Captains are alerted. Scarlet sets off in an SPV after Smith's van and finding it, forces it into a sand dune. The SPV hits an oil-storage tank, both vehicles explode, but Bensheba is saved.

VOICE CREDITS Jason Smith (David Healy) Charlie Hansen (Gary Files). Kinley (drilling superintendent) (Jeremy Wilkin). (Dummy oil storage tank; SPV 1034 attendant) (Martin King).

NOTES The Robert Mitchum lookalike reappeared as oil worker Kinley, and the Captain Brown puppet re-appeared as Charlie Hansen.

22) **Treble Cross.** 23 February 1968. Production order 29.

THREAT "We intend to deal another devastating blow. We will destroy the world capital, Futura City. Futura will be raised to the ground."

STORYLINE Major Gravener and his driver are drowned in a car crash caused by Captain Black, and are Mysteronised. But the body of the real Gravener is found and taken to Slaton Hospital. The Major is revived and is alive at the same time as his Mysteron double. At World Air-Force Headquarters, Slaton, Gravener's double appears, requesting an XK.107 bomber be armed with a nuclear weapon. Now inside the plane, the Mysteron is contacted by Black Back at the WAF HQ the desk sergeant is contacted by Slaton Hospital, who tell him that they have the true Major Gravener. Just as the XK.107 is about to take off it swerves to avoid two trucks, crashes and explodes. Captains Scarlet and Blue go to the hospital to see the true Major, where they persuade him to impersonate his Mysteron self, and at the Western Air-Strip Spectrum's ground forces are closing the area in an ever tightening circle Black tries to escape but crashes as he swerves to avoid the landing XK.107. But investigating the truck the Captains realise it isn't Black at all, but Harris, Gravener's driver impersonating him.

VOICE CREDITS Major Buchanan 'Buck' Gravener (Jeremy Wilkin). Dr. Baxter (Martin King) Dr. Mitchel (David Healy). Slaton Hospital nurse (Liz Morgan). Slaton Airbase Desk Sergeant (Gary Files).

NOTES The date is given by Dr. Mitchel as Tuesday the 10th of July, though the episode actually starts on Monday the 9th, the night before Gravener wakes up in hospital Also note that Futura City is not actually the capitol city of the world (which is in fact Unity City), but is in reality the financial centre of the world (home of the World Bank and Stock Exchange). Capitol meaning wealth in this case. The puppet which went on to appear as Sam Loover in Joe 90 makes a reappearance as the airbase desk sergeant, the Helga puppet from 'Model Spy' reappears as the Slaton Hospital nurse, and the Commodore Goddard puppet from 'The Trap' re-appeared as Major Gravener, and the General Ward puppet from 'The Mysterons' reappears as Dr. Baxter

23) **Flight 104.** 1 March 1968. Production order 25.

THREAT "The Conference at Lake Toma will be sabotaged. We know what you are trying to do, but you will not succeed."

STORYLINE Captains Scarlet and Blue are in plain clothes at a hotel looking after Dr Conrad In another room are a newspaper photographer and a reporter, who have recognised the doctor The Captains are to escort him to a conference with the World President at Lake Toma, Geneva, Switzerland. The three leave for the airport

but are followed. The reporters get their tickets for Flight 104, the same as Conrad and the Captains, though Captain Black has tied up the plane's flight crew, and the plane is under Mysteron control. Airport security is alerted, who inform Spectrum, and the Colonel sends the Angels, who warn the Captains of the danger using red smoke. Scarlet attempts to regain control of the plane, but the controls are all dead until the plane passes an electricity generating station and the control's are freed. Scarlet is now in control and gets the plane to land at Geneva Airport, but the landing gear is damaged and Scarlet has to crash land the plane but dies in the process.

VOICE CREDITS Dr. Conrad (David Healy). Newspaper reporter (Jeremy Wilkin). Joe (newspaper photographer)/Voice of airport security guard (Gary Files) Bill Williams (security chief at Novena Airport) (Martin King) Novena Airport announcer (Liz Morgan).

NOTES At one point Destiny speaks with Rhapsody's voice. The Delta petrol station attendant from 'The Mysterons' reappears as a newspaper reporter, the Lieutenant Dean puppet appears again as Bill Wilhams, and Captain Brown reappears as Dr. Conrad. Right near the end a small sequence from the Thunderbirds episode 'Trapped in the Sky' appears again when fire engines are heading towards the stricken Flight 104

24) **Place of Angels.** 8 March 1968. Production order 21.

THREAT ".. And we have not forgotten your unprovoked attack. To prove how useless it is for you to resist we will destroy the place of the Angels."

STORYLINE Dr. Denton and his assistant, Judy Chapman, are working on the K.14 virus. Captain Black is sitting outside a biological research station, in a petrol tanker, which he uses to block the path of Judy's car. Her car crashes, and she is killed and Mysteronised. Next day the Mysteron Judy enters the station, kills a guard and steals the virus. Denton contacts Spectrum and Captains Scarlet and Blue are sent to help. Judy travels to New York, and Scarlet and Blue are sent after her. Rhapsody Angel guides them after her car, but Black tells Judy she is being followed and she sends her car rolling down an embankment. The Captains find that the container holding the vial is broken and think themselves infected. They are taken to Cloudbase and stay in isolation until Denton finds that the tube did not contain the virus. Judy heads for Los Angeles and the Captains follow her to the Boulder dam, Colorado. Scarlet ejects from a jet above the dam, but Judy shoots him and attempts to throw the vial into the water. Scarlet shoots her and she falls to her death. The vial lands on a ledge and he desperately tries to reach it, just in time.

VOICE CREDITS Dr. Denton/Voice of Spectrum, New York radio operator/Jeremy Wilkin) Judith 'Judy' Chapman (research assistant) (Sylvia Anderson). Biological research station security guard/New York International Airport mechanic (SPV 021 attendant) (Gary Files) Voice of airplane Captain (Martin King)

NOTES The puppet later to play Sam Loover in Joe 90 appeared as Dr. Denton, the Westbourne Clinic nurse from 'Operation Time' reappears as Judy Chapman, and the Doig puppet from 'Heart of New York' reappears as the security guard. Those with an ear for music will recognise a piece from Stingray being used again.

25) **Noose of Ice.** 12 March 1968. Production order 26.

THREAT "You are powerless to defeat us. Your much boasted new space fleet is doomed to failure. We will make certain you never return to our planet, Mars."

STORYLINE Maintenance man, Neilson, is driving his snow vehicle to Eskimo electricity booster station, when he is caught in a snowstorm and Mysteronised. General Rebus calls Spectrum for help and Captains Scarlet and Blue go to see him. Nielson leaves Hot Spot Tower and heads for the Eskimo station. The Hot Spot Tower is in fact a drilling station searching for the fuel source, Tritonium, under the water below the surrounding ice, used as a new fuel for the new World Space Fleet. Heating elements in the water surrounding the tower are electrically fed from Eskimo Station, and Nielson sets out to turn them off. The temperature and lighting begin to fail, and ice reforms about the base of the tower, crushing it. Scarlet escapes the tower and reaching an SPV heads for Eskimo Station. When Scarlet enters the Eskimo Station and confronts Nielson he is shot, but turns on the power and electrocutes the Mysteron before returning power to the Hot Spot Tower.

VOICE CREDITS Nielson (driver of Snow Cougar 21) (Gary Files). Voice of Hot Spot control/Hot Spot Tower entrance guard (Martin King). General Rebus (Space Administration, Commander in Chief) (David Healy). Rhodes (Hot Spot Tower controller) (Jeremy Wilkin).

NOTES The puppet later to appear as Sam Loover in Joe 90 reappeared as Rhodes, the Hot Spot Tower controller. The Captain Brown puppet from 'The Mysterons' re-appeared as Nielson. The TVR.17 Control Centre building from 'White as Snow' reappeared as the Space Administration HQ.

26) **Expo 2068.** 26 March 1968. Production order 23.

THREAT "Disaster will strike the Atlantic seaboard of North America. We will deal a heavy blow to the prestige of the World. We will continue to take our revenge."

STORYLINE Transporter truck 43 is taking a nuclear 'coal' reactor to the Manicougan, complex, but Captain Black uses his powers to move a detour sign, and the transporter takes the wrong route. It crashes and driver and truck are Mysteronised. Captains Scarlet and Blue are sent to check out truck 43, but the truck has made a detour, heading for the Exposition 2068 site. Black appears at the Seneca construction company and orders the controller to send one of the remote controlled helicopters to the hiding place of truck 43. Black instructs the truck driver to arm the reactor and remove the safety valve. The reactor is loaded aboard the 'copter Scarlet and Blue chase after the truck, and eventually catch up with it, as it crashes, but the truck is empty. The Captains realising what's happened head for the Expo' construction site. Once there Scarlet dons a hover pack and flies up to the crate beneath the helicopter. Black orders the controller to crash the helicopter, but the man refuses, is shot by Black and short circuits the controls. Scarlet cuts his way into the crate, and once inside Summers instructs him in shutting down the reactor, but the helicopter still explodes as it crashes.

Captain Blue

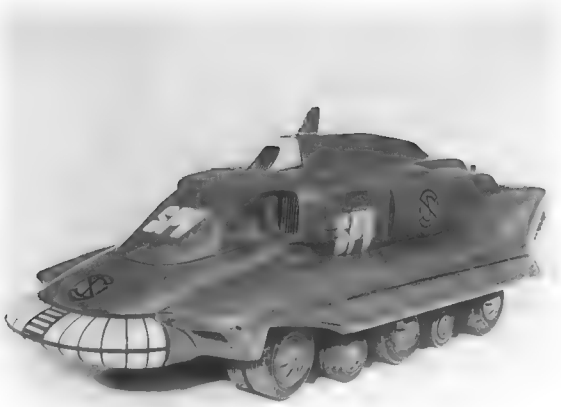
VOICE CREDITS· Driver of transport truck 43/Woodsman (Gary Files) Dr Summers (Jeremy Wilkin). Captain/Rayner (Security Officer)/Power station controller/helicopter controller (Seneca Construction Company) (Martin King).

NOTES The Steele (1st conman) puppet from 'Special Assignment' reappeared as Security Officer Rayner.

27) **The Launching.** 2 April 1968. Production order 15.

THREAT "You continue your futile defence against us even though you must know that you cannot succeed. In order to show you your ineffectiveness we will deal you yet another crippling blow. We will destroy President Roberts within the next twelve hours."

STORYLINE Reporter, Mervin Brand's airplane is struck by lightning, crashes and is Mysteronised. The Mysteron then sets off to meet with President Roberts. The Angels encounter Brand and force him to land. Brand arrives outside the President's house, Captains Blue and Ochre are stationed there, but before Ochre can use a Mysteron detector Brand escapes. Talking with Roberts Scarlet realises that the cruise liner which he was to name that afternoon is also to be called The President Roberts. At the ship yard Brand is at the launching platform with the vice President of the Trans-Pacific Shipping Corporation and his wife. Scarlet speeds to the



Spectrum Pursuit Vehicle

docks just as the Mysterons alter a champagne bottle, for naming the ship. The Vice President's wife starts the naming but Scarlet appears just in time to stop it. Brand is shot by Scarlet as he tries to release the bottle, but revives, faking unconsciousness. Brand takes his chance, pressing the launch release. The ship moves off, and the bottle misses, swinging back towards the platform and killing Brand as it explodes.

VOICE CREDITS: Mervin Brand (Tribune 3 airplane pilot) (Gary Files) Voice of Tribune control (Jeremy Wilkin). World President Roberts (David Healy). Voice of conference reporter (Edward Bishop). Vice-President (Trans-Pacific Shipping Corporation) (Martin King). Wife of the vice-President (Sylvia Anderson)

NOTES The character later to appear as Sam Loover in Joe 90 appears again as World President Roberts, the Steele puppet from 'Special Assignment' appears again as the Vice-President, and the puppet later to be used as Angela Davis in the Joe 90 episode 'Three's a Crowd' re-appears as the Vice-President's wife. The Macey puppet re-appeared as Mervin Brand. World President Roberts was in office from 2069 onwards, so at this time was probably only World President elect. The name Cordon Verde used for the champagne in this episode translates as 'Green Ribbon' The reactor transporter truck 43 from 'Expo 2068' sans markings reappears in this episode

28) **Codename Europa.** 9 April 1968. Production order 27.

THREAT "We will continue to take our revenge and deal yet another devastating blow. We will destroy the Triumvirate of Europe. The Triumvirate of Europe will be destroyed."

STORYLINE Captain Black shoots electronics professor Gabriel Carney, who is then Mysteronised. The Presidents of Europe are threatened by the Mysterons. So Colonel White places each of the men in secure accommodation. Carney's double is outside the security centre and sets up a tape player and loudspeakers. The tape plays the sound of machine gun fire and Ochre is alerted by security. At the east side of the base Carney cuts through the electric fence into the compound. The tape is now playing the sounds of tanks, and the Angels are sent to attack. Carney drops a grenade through a fake air vent, thinking he has killed Olafson, and moves on to his next target. The Colonel alerts Captains Scarlet, Blue and Ochre that Carney's real body has been found, and Scarlet and Blue head for Carney's home. There Blue finds Carney's remote control, and through this the Captains find Henderson is the next target. They now head for Henderson, just as Carney crashes a roadblock. The Captains chase him, but he uses a device which jams the SPVs monitors, and they crash. The Captains get to the security centre, but Carney jams communications. He then destroys the centre's lighting systems and enters the building, falls over a tripwire and is shot by the Captains.

VOICE CREDITS Professor Gabriel A. Carney/President Conrad Olafson/2nd Spectrum security guard for (Conrad Olafson) (Gary Files) Joe (Spectrum security guard for Conrad Olafson)/Voice of radar technician at Maximum Security Centre (Martin King). 3rd Spectrum security guard (for John L. Henderson) (see NOTES, below).

NOTES At one point Destiny Angel speaks with Rhapsody's voice, and the Captain Brown puppet from 'The Mysterons' reappears as professor Gabriel A. Carney. The Lieutenant Dean puppet re-appears as Spectrum security guard Joe, and the Commodore Goddard puppet reappears as the 3rd security officer. The voice of the security guard for President Henderson was also heard in this episode although I have, as yet, been unable to find the voice artiste?

29) **Inferno.** 16 April 1968. Production order 32

THREAT "It is useless for you to persist in futile attempts to defend yourselves. Our next act of retaliation will be to destroy the complex at Najama. Najama will be destroyed."

STORYLINE The SKR.4 satellite recovery craft is hit by a meteorite and Mysteronised. Captains Scarlet, Blue, Ochre and Magenta are informed by Colonel White of the details of the Najama de-salination plant in the Andes foothills. The four Captains are then stationed at points around the hills above the complex. Scarlet and Blue are stationed at an ancient Aztec temple and it's here that Captain Black hides a homing device inside an old statue. The SKR.4 is now on a collision course for the Najama complex. Major Moran of the Euro-Space Tracker Station contacts Spectrum and tells them of the SKR.4. The Colonel sends the Angels to Najama and informs Scarlet that the SKR.4 is being lured to the site by a radio device. Scarlet, Blue, Ochre and Magenta are able to triangulate the position of this homing device to the temple. Scarlet then tells the Angels to attack the temple. The temple and the statue are both destroyed but this causes a landslide which also destroys the Najama complex.

VOICE CREDITS Captain (SKR.4 satellite recovery rocket) (Shane Rimmer; uncredited). Recovery rocket navigator (Martin King). Sergeant (Euro-Space Tracking Station) (Gary Files). Major Moran (David Healy)

NOTES Melody and Harmony Angels are shown entering Angels 2 and 3, but later on Destiny is shown talking to Rhapsody Angel and Symphony is shown destroying the temple, Destiny also speaks with Rhapsody's voice. The puppet later to appear as Sam Loover reappears as Major Moran, and the General Ward puppet from 'Avalanche' reappears as the SKR.4 recovery rocket Captain. The Commodore Goddard puppet reappears as the sergeant at the Euro-Space Station who is actually wearing the US Navy, single stripe, insignia of a junior grade lieutenant, and the Major is actually wearing a Royal Navy lieutenant's rank

30) **Flight to Atlantica.** 30 April 1968. Production order 28.

THREAT "We intend to destroy the World Navy complex at Atlantica. Atlantica will be annihilated."

STORYLINE On the anniversary of the drawing up of Spectrum's inaugural charter, members of Cloudbase gather for a party. At the party Mysteronised champagne is served, but the party is stopped by the Colonel in a furious mood. Symphony is sent to patrol Atlantica World Navy Base Defence Control Tower, but begins to lose co-ordination. Captains Blue and Ochre are sent to bomb a wreck near the Base, but the champagne causes them to behave irresponsibly. The maps given to them are changed by Captain Black, and they now set off to bomb Atlantica Control. Symphony is out of control, and Angels 2 and 3 are sent after her. On Cloudbase Captain Scarlet and the Colonel are the only ones unaffected and discover that the champagne is the cause. Scarlet and White set out in a passenger jet to catch Blue and Ochre. The control tower is destroyed, and White commands Scarlet to shoot the plane down before it destroys the Base. The Captains eject just before the plane crashes, and later the Colonel organises a proper party with 'real' champagne.

VOICE CREDITS Commander Williams (Maxwell Airbase) (Gary Files). Sergeant (Maxwell Airbase)/Airbase flight control (Shane Rimmer; uncredited)

NOTES Every regular member of Spectrum appears in this episode. The Doig (second bank robber) puppet from the episode 'Heart of New York' appears again as the airbase' commander Date of Spectrum's inaugural charter being drawn up is given as the 7th of July Date of World President Younger signing the charter is given as the 10th of July. This is exactly the same date as mentioned in episodes 2 and 22 This episode is said to be the first anniversary of the creation of Spectrum, so the first 'office party' must have been on the 7th of July 2068, and the date of Blue and Ochre's attack on Atlantica Base must have been 10 July 2068, but this is also the date given in the episode 'Treble Cross', as a Tuesday – which therefore makes the date of the first 'office party', July the 7th, a Saturday. The tune 'The Dangerous Game' from the Thunderbirds episode 'The Cham Cham' was re-used here

31) **Attack on Cloudbase.** 7 May 1968 Production order 30.

THREAT "Spectrum's headquarters, Cloudbase, is our next objective We will spare no effort to ensure that Cloudbase is totally destroyed "

STORYLINE Symphony Angel ejects just before her jet crashes, leaving her stranded in the desert, and Destiny fails to find her in a search patrol Captains Scarlet and Blue speak with Magenta and discover that Destiny has been recalled without locating Symphony. Fourteen hours after the Mysteron threat the first of the Mysteron's saucer craft appears. Rhapsody's jet is shot down and she's killed. The Colonel realises that the Mysterons have at last come to annihilate Cloudbase, and he calls a meeting Four more saucers converge on Cloudbase and Scarlet sets off in an Angel jet to confront them. But he is also shot down, and crash lands on Cloudbase, but this time he is 'really dead' One by one the staff of Cloudbase are killed by the saucers. Dr. Fawn is killed in Sickbay, but Captain Black has appeared on Cloudbase posing as his 'assistant'. Cloudbase begins to slowly sink into the ground, as White and Blue are the only ones left. Suddenly everything changes, Scarlet and Blue find Symphony in the desert, back on Cloudbase she relates her story, and it all turns out to have been a dream.

VOICE CREDITS No other voices were used other than for regular Spectrum staff.

NOTES Every regular member of Spectrum appears in this episode. Destiny Angel speaks with Rhapsody's voice at one point. Also note that as this storyline is Symphony Angel's dream most (if not all) of the information given in 'Attack On Cloudbase' may be taken as false. One strange item is that if 'Attack on Cloudbase' is Symphony Angel's 'dream episode', how is it that the sound of a Mysteron saucer approaching her plane is heard just before her plane is shot down, ie, before the dream sequence begins?

32) **The Inquisition.** 14 May 1968. Production order 31.

THREAT "We have observed the Spectrum organisation's attempts to counter us, but one of the members of Spectrum will betray you all. We will be avenged."

STORYLINE Captains Scarlet and Blue are having a meal in a restaurant, but drinking his coffee Blue falls unconscious and is kidnapped by the Mysterons. Blue wakes up in Cloudbase' control room, and in Colonel White's seat is the solemn figure of Spectrum Intelligence agent, Colgan. He accuses Blue of being AWOL for the last three months and demands the Spectrum cypher codes as proof of Blue's identity. Blue then has to prove himself by recalling details of the Spectrum organisation and past missions. When he continues to refuse to give any information on the cypher codes, Colgan sets off an alarm and a man appears, armed with a gun and a hypodermic syringe containing the ultimate truth drug. In an attempt to escape Blue jumps through the observation tube window - and lands safely on some scenery beneath a fake version of Cloudbase in a warehouse This was a Mysteron trap, but Blue is saved when Scarlet appears in an SPV and destroys the warehouse

VOICE CREDITS Restaurant waiter (Gary Files), Colgan (Spectrum Intelligence agent) (David Healy).

NOTES The General Ward puppet from 'Avalanche' appears as the resturant's piano player, even though he also appeared as Shroeder (lunar officer) in Blue's 'flashback' scene to 'Crator 101', the Arab desert shop owner from 'Point 783' reappears as the resturant waiter, and the character later to become the Sam Loover puppet in Joe 90 re-appears as Intelligence agent, Colgan The Robert Mitchum lookalike reappears in the resturant crowd scene, even though he also appeared in Blue's 'flashback' scene to 'The Trap'. The voices of Macey, the 1st and 2nd escort car drivers, and 1st and 2nd escort car radio operators, were heard again in this episode when the Mysteronisation of the reactor truck was recalled in the title sequence from 'Big Ben Strikes Again' The voices of Linda Nolan (controller of Lunarville 6), Fraser (lunar tank driver) and Shroeder were also heard again in this episode when Captains Scarlet, Blue and Lieutenant Green investigating the Mysteron complex on the moon was recalled in a sequence from 'Crater 101'. The voices of Commadore Goddard and Captain Holt were likewise heard again when Captain Scarlet searched Glen Garry castle, recalled in a sequence from 'The Trap' All sequences were recalled by Blue under interrogation. Also note that Blue refers to the castle in 'The Trap' as Glen Cary castle, not Glen Garry as it is referred to in the actual episode.

Spectrum Personnel

(Including Captains, Administration, Angels and Medical staff)

CAPTAIN SCARLET

DETAILS Real name Paul Metcalfe. Former aliases Mr. Panther ('Spectrum Strikes Back'), Scarlet 1 ('Attack on Cloudbase'). Place of birth Winchester, Hampshire, England Date of birth 17 December 2036. Height 6 Ft. 1 Ins. Weight 172 Lbs (12 Stn. 4 Lbs). Eyes blue. Hair black. Other distinguishing features, Scarlet suffers from nausea and dizziness in the vicinity of Mysteron agents, though apparently not in every case.

PERSONALITY PROFILE: Scarlet is reliable and trustworthy, with a driving sense of honour, demonstrated when he risked his career to save Colonel White's life after a disagreement between them was found to have been a mistake ('White as Snow') Often risking his life to carry out a mission to the end, and his apparent death. Knowing that for him to risk himself only to be brought back to life again, is better than letting anyone else 'throw' their's away. On duty Scarlet is a true professional, being totally reliable,

Captain Ochre

carrying out the Colonel's orders quickly and efficiently. Though off duty he changes completely He's full of fun, is carefree and bursting with energy, emotionally and physically as a result of his instantaneous regenerative abilities granted by the Mysterons Scarlet is also very popular with his fellow Spectrum officers and is especially loved by the Angel pilots who find his personality charming and appealing Though Scarlet also has a recurring tendancy towards distancing himself from others, especially with crowds

HISTORY. Paul Metcalfe's family is one with a deep military history (his father, grandfather and great-grandfather all served in the World Army), so it seemed only natural that he should follow in their example and choose a military career. Graduating Winchester University (2057, aged 21) with degrees in technology, history and the employment of mathematics, Paul soon shifted to the West Point Military Academy in New York state (2059 - 2063). Here Metcalfe was ruthlessly trained for field combat duty, and he left West Point in a blaze of glory, having been unanimously voted as 'Supreme Soldier' by fellow students and lecturers alike Paul next joined the World Army/Air-Force at the low rank of private, preferring to work his way up through the ranks by his own abilities rather than 'buy' himself a higher officer's rank as others had done. Within two years Metcalfe had proven himself enough to gain significant promotions, and with his fine abilities for

Spectrum Patrol Car

command, and his professional military basis, he reached the rank of Colonel. The Spectrum's selection committee had followed Metcalfe's background, noting his abilities of leadership, combat strategy, initiative, integrity and dedication to the WAAF, and he was therefore approached in 2065, and accepted Spectrum's offer of becoming a field agent, with the reduced rank of Captain and the colour code Scarlet. Just after the failed Zero-X mission to Mars (in which Captain Black was taken over by the Mysterons after starting the devastating 'War of Nerves'), whilst driving in a Spectrum saloon car, Captains Brown and Scarlet were killed and Mysteronised when their car was forced to crash. The Mysteronised Scarlet then set about the Mysteron's second attempt to assassinate World President Younger ('The Mysterons'). During which, he fell 800 feet from the top of the Car-Vu carpark and the Mysterons either lost or released Scarlet from their control, and he became Spectrum's indestructible agent in their forthcoming battle against the Mysterons. Appeared in all episodes.

NOTES: Both the facial characteristics and the voice of Captain Scarlet were based on a young Cary Grant.

CAPTAIN BLACK

DETAILS: Real name: Conrad Turner. Place of birth: Manchester, England. Date of birth: 17 March 2029. Height: 5 Ft. 11 Ins. Weight: 176 Lbs (12 Stn. 8 Lbs). Eyes: brown. Hair: black. Other distinguishing features: Conrad Turner now has glazed eyes, a pallid complexion and a somewhat distant stare.

PERSONALITY PROFILE: Formerly; Conrad Turner possessed a thoughtful, contemplative character, was a decisive, logical thinker with great courage, but was also a pacifist at heart, wishing for world peace rather than world wars. He also panicked when encountering the Mysterons for the first time, in 'The Mysterons'. Currently; the Captain is usually an emotionless, cold, inhuman lifeform. His human emotions and individuality buried deep, set in a cold, calculating visage by the Mysterons. Though it is interesting to note that there have been some rare moments when Black's original moral values have risen to the surface ('Manhunt', 'Heart of New York'. See also THE MYSTERONS: A SYNOPSIS, below).

HISTORY: Life was hard for Conrad Turner, whom few knew well, when tragedy marked his life out from the age of only seven months (October 2029). When the devastating atomic war of 2028 (2028 - 2034) left him an orphan, with the death of his parents, in the care of a distant relative, who provided him with food, clothing and a place to sleep, but no real home or home life. Any affection and consideration he did receive was rare and mild. The world he grew up in was distant, cold and hard, so consequently, Conrad Turner grew up to give only as he himself had received, harshly, cold, hard and logical. Yet his un-named foster parent did grant him with a decent education, for at the age of fifteen Conrad entered Manchester Technical Academy (part of England's famous Northern University), for which he was particularly grateful. Partly because it offered him a near certainty of a good career, and also gave him the opportunity to be away from 'home' for extended periods of time. But, even amongst the atmosphere of his fellow students Conrad found it difficult to leave the self-imposed 'shell' which had severly wrapped around him in his early years. Turner had become, and was to remain, a recluse. This situation did have its advantages however, for often wishing to remain on his own, he filled his spare time with studies. And in only eighteen months (September 2045) Conrad Turner graduated from the Manchester Technical Academy with National Diplomas in physics, space navigation and international law degrees. He next moved to Northern University itself, and there, after another eighteen months, gained degrees in science and technology. Age eighteen Turner joined the British Air-Force, having no real feelings for a civilian life, gaining military strategy and piloting skills to the rank of flight lieutenant during his stay, and in the winter of 2047 (sic), he was recognised by the World Government for his outstanding courage, when he disobeyed orders (for which a court martial was later waved) and took a sabotaged bomber plane up from the airbase he was stationed at. A bomb had been placed in this airplane by a group of un-named 'freedom fighters', loyal supporters of those who had plunged Britain into civil war against the military dictatorship who had held control of Britain since the 'great' atomic war of Europe in 2028. The bomb was intended to destroy the base, but it instead exploded harmlessly in mid air, scattering the wreckage for miles around. Conrad ejected from the plane seconds before it blew up, and was found, hours later, still strapped into his ejector seat, floating in the Atlantic. His body almost beyond recognition. Word was rushed from the highest authority (possibly World President Bandranaik, 2045 - 2066) that this gallant hero was to receive the highest priority in an un-named London hospital. Six painful hours of precision operations later, Britain's top surgeons saved his life (just), and then, for the first time ever, he revealed one of the secret ambitions he'd kept hidden for years. An ambition which, he assured World Government officials, was the only reason he'd survived the jaws of death. "Peace." He confessed. "Peace is what I want to see. A secure world, but I can't do much about it if I'm dead." Turner's statement made headline news, and in the late months of 2048 Conrad was discharged from hospital with hardly a mark on him. And given the free choice whether to resign from the British Air-Force or resume his career, he accepted a position with the World Army/Air-Force, and enlisted as a field agent/pilot. From that day on Conrad Turner faded from the public view - much to his own relief - until 2054 when an announcement in the press read 'Conrad Turner, hero of events following the British civil war, has been promoted to the World Space Patrol. As from next month, he will become commander of Fireball XL-3, a craft of the WSP's newly commissioned principle fleet.' This promotion (and later promotion to the rank of Colonel in 2057) brought with it the inevitable publicity from the gutter press, and from then Turner become one of the most famous officers of the World Space Patrol. He was also part of the Solar System Exploration Centre's Mercury survey mission. His achievements and progress were constantly acclaimed in World Government circles - particularly in early 2065 when the Spectrum organisation was being established. So Conrad Turner became one of the first people to be chosen as a Spectrum officer, and accepted Spectrum's offer of becoming a field agent, with the reduced rank of Captain and the colour code Black. Black was appointed tutor of all the new recruits. Espionage, self-defence, mechanics, flying - Captain Black seemingly knew all there was about these. As Spectrum's number one agent he was the perfect choice of the World Government when the decision was made that a Solar System Exploration Centre expedition should journey to Mars to investigate strange radio signals picked up by Spectrum (episode 1). So in early 2068 a Zero-X Mars Exploration Vehicle sponsored by Spectrum, landed on the planet in search of these signals. But Black failed in his mistaking alien scanning devices as weapon emplacements, and hearing the words of his fellow MEV officer, he panicked momentarily, his nerves cracked, and he commanded Lieutenant Dean to open fire upon the Mysteron complex. This attack became the first blow in a devastating 'War of Nerves'. The three man crew of the MEV then witnessed the miraculous 'rematerialisation' of the Mysteron city, and for this act of aggression the Mysterons took control of Captain Black's mind and body

It is as yet unknown whether Captain Black actually died on Mars, but when the Zero-X returned to Earth with Black as its only occupant, he vanished after the craft reached Glenn Field Spaceport (episode 4), and it wasn't long after this that the people of Earth received their first threat from the Mysterons from Mars. Appeared in episodes 1 (in Spectrum uniform), 2-4, 6, 8-11, 13-15, 17, 20 (in uniform, in flashback recalled by Colonel White. Later tried to assassinate Scarlet with an exploding Pulsator crystal), 21-24, 25 (Voice of Captain Black, but no sighting), 26-29, 30 (was totally ignored when seen by Captains Blue and Ochre at Maxwell Airbase), 31 (posing as Dr. Fawn's Assistant, but as this storyline is taken as Symphony's dream this event may be taken as false).

NOTES: It is entirely possible that the distant relative with which Black stayed from the age of only 7 months lived in America, which would easily explain why Black begins the series (pre Mysteronisation) with an American accent. And the reason why Black then speaks with an 'apparently' English accent after Mysteronisation is simple, it is not in fact Black himself who is speaking, but the Mysterons' voice speaking through Black, using him as a voice box on Earth.

COLONEL WHITE

DETAILS: Real name Charles Gray. Former aliases Robert Snow ('White as Snow'), Mr. Tiger ('Spectrum Strikes Back'). Place of birth London, England. Date of birth 14 July 2017 Height 6 Ft. 1 Ins. Weight 172 Lbs (12 Stn. 4 Lbs) Eyes blue. Hair white/grey (original colour unknown).

PERSONALITY PROFILE His dedication to his work and sincerity have earned the Colonel the respect of his fellow officers and crew of Cloudbase, Spectrum and its related organisations, though this respect does tend to waver with the Colonel's hot temper ('Avalanche', 'White as Snow'). Off duty the Colonel is still engrossed in his work, to a great degree, finding little time to completely relax and forget his responsibilities for a while. An oft heard phrase being "This is an operational base, not a rest centre." Though when he does find some few minutes to himself he likes to play role-playing, war-games with Scarlet. Other spare moments are taken up by his reading crime fiction, and he's even started to pen his own 'whodunnit'.

HISTORY: In his teens, Charles Gray studied at King's College Canterbury, Kent (aged 17), and then at Norwich University, Norfolk (also known as the University of East Anglia); 2038, aged 21, gaining first-class honours degrees in computer control, navigation and technology Leaving university, Gray enlisted with the British Navy, serving on destroyers and submarines, and in such trouble spots as south east Asia in 2040, the Iceland dispute of 2042, the Panama-Isthmus rebellion of 2042-2043, and in a remarkably short time had risen to the rank of Captain (2046). The British civil war erupted in December of 2046, when Charles Gray was the Captain of an un-named British Navy Destroyer in the Atlantic at the time, and presumably going against his superiors sided with the rebels against the government and headed back to Britain to join them and help overthrow the military dictatorship which ruled Britain. The rebellion was soon over, Britain joined the World Government in February of 2047 and Charles Gray was rewarded for his support, when the World Government offered him full command of a World Navy Destroyer. From that point onwards his career was one fantastic success story, gaining promotion after promotion until he became Admiral of the British Fleet. Charles Gray's daring escapades, his coolness in tricky situations and leadership qualities gained him the respect of top military staff worldwide. Often being headline news, Charles Gray became a public hero, so his military peers and friends became dismayed when at the age of only thirty he announced his retirement from military service Though this was only a carefully laid out cover-story, as Gray had in fact been selected to serve in the Universal Secret Service Charles Grey married in 2048 (wife's name unknown), and after two years active service as a field agent (2049), in which he was very successful in his various missions, Gray was promoted to the organisation and control section of the USS, where he soon realised his true flair in leadership. And so he was chosen as head of the British section of the USS (in 2050), in command of their London, World Intelligence Network section, a division disgracing the entire USS, through infiltration by double agents Within one year (2051), Gray had completed the seemingly impossible task of clearing the USS London HQ of all these enemy agents and infiltrators, and by his brilliant strategies, ruthlessness in command and determination he had put the USS London section 'back on its feet', running smoothly and efficiently. It was also about this time that Charles Grey became a widower (date unspecified) And so, in 2065, considering his dedication to a cause, ability to obtain results and superb leadership qualities, the Spectrum selection committee offered him the rank and colour code of Colonel White together with the position of Supreme Commander-in-Chief of Cloudbase. Ironically, this was a job offered on the eve of Gray's succession to the post of Supreme Commander of the USS, taking over from the retiring 'S' (Air-Marshall Maxwell 'Steve' Zodiac [real name Steve Kalinski], who's son, Colonel Steve Zodiac, is the commander of the World Space Patrol craft Fireball XL-5). Appeared in episodes 1-31.

NOTES Both the facial characteristics and the voice of Colonel White were based on the actor who supplied the Colonel's voice, Donald Grey

CAPTAIN BLUE

DETAILS Real name Adam Svenson. Former aliases Mr. Bear ('Spectrum Strikes Back'). Place of birth Boston, Massachusetts, USA. Date of birth 26 August 2035 Height 6 Ft. 3 Ins. Weight 196 Lbs (14 Stn) Eyes blue. Hair blonde.

PERSONALITY PROFILE: On duty, Blue becomes the ideal mission partner to Captain Scarlet, inspiring those who work along side him. Off duty he keeps his forceful, sceptical, possibly over confident personality ('White as Snow'), but has developed seemingly endless patience with his fellow Officers, such as Captains Grey and Magenta. Blue has a love of the outdoors, taking every opportunity to travel down to the east-coast of Australia, where he enjoys water-skiing, surfing and deep-sea fishing. Also off duty Captain Blue appears to have a romantic relationship with Karen Wainwright (Symphony Angel), these feelings are obviously reciprocated by Symphony, and he has acknowledged his love for her (episode 4) to a degree that he has put both his friendship with Colonel White and his job 'on the line' ('Attack on Cloudbase', but as this storyline is taken as a dream sequence this side of Blue may be taken as misleading).

HISTORY: Born a year after the free world began its recovery from the bitter Atomic War of Europe (2028 - 2034), Adam Svenson was fortunate enough to be the eldest son of a wealthy financier. Adam was successful in school, his father's money gaining him a good education, winning a full scholarship into Harvard University, Cambridge, Massachusetts, at only 16 years of age, at which he gained first-class honours degrees in economics, technology, computer control, applied mathematics, and aerodynamics, Svenson therefore seemed destined to enter a successful career in business.Much to the disappointment of his money minded father, Adam enrolled in the World Aeronautic Society (early 2055, aged 20), where he gained military basic training, military strategy and piloting skills, directed it seemed towards his becoming an aircraft test pilot The thrill of such a dangerous lifestyle as a top test pilot appealed to Adam's love of excitement and fast action Possessing courage and drive, Adam was acclaimed as a pilot without fear Observing Svenson's flowing energy and vitality displayed in his work, his superiors now transferred him from the job of test pilot to that of an active field agent in the security department (2057 - 2065). At first Svenson was dismayed at this, but soon realised the challenges this new job provided, as the security department of the WAS was constantly disrupted by the infiltration of enemy agents. Now with twenty trusted, hand-picked officers, Svenson began the job of tackling this great problem Hampered by unseen forces, never knowing if those working

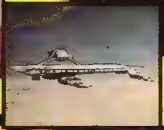
Doctor Fawn

Prepare for the Ultimate Battle of the 21st Century!
CAPT. SCARLET
CAPTAIN SCARLET
VS
THE MYSTERONS
JIM LAURIER

ITC ENTERTAINMENT Presents
A GERRY ANDERSON PRODUCTION

CAPTAIN SCARLET VS. THE MYSTERONS

Written by GERRY & SYLVIA ANDERSON, TONY BARWICK, PETER CURRAN, DAVID WILLIAMS
Supervising Director of Special Effects DEREK MEDDINGS
Music Composed and Directed by BARRY GRAY
Based on the Original Format by GERRY & SYLVIA ANDERSON
Creative Production Coordinator ROBERT MANDELL Produced by REG HILL
Directed by DAVE LANE, ALAN PERRY, DES SAUNDERS, KEN TURNER



FILMED IN SUPERMARIONATION

SUPER SPACE STEREO

Cloudbase is the headquarters of Spectrum, the world security organization where Captain Scarlet is the number one agent.

A deadly alien force, known as the Mysterons, mistakenly believe that a Spectrum spacecraft has launched an unprovoked attack on them. To revenge this act of agression, the Mysterons declare war on Spectrum and vow to annihilate the planet Earth.

Academy Award winner DEREK MEDDINGS (SUPERMAN I & II, The James Bond films) creates the fantastic special effects for this Science Fiction blockbuster.

Running Time: 96 minutes

Release Date: 1982

ITC FILM ENTERTAINMENT
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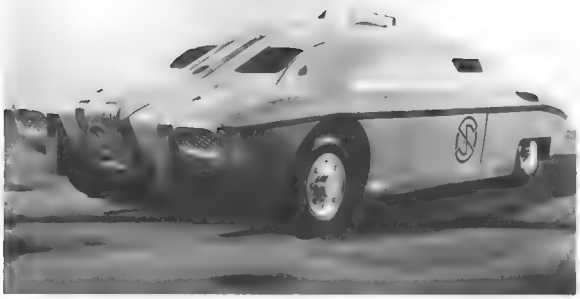


Maximum Security Vehicle

alongside him were double or triple agents, Adam Svenson had many setbacks in his new job. Three assassination attempts were made on his life, by Bereznik agents, in his first three months of joining the security department of the WAS, but with his drive for enthusiasm, determination and ruthlessness, he finally succeeded in bringing the reign of sabotage and spy infiltration to a close. Svenson's success with the WAS, his ability to gain results under terrible odds, his personality and vitality, that brought him to the attention of the Spectrum selection committee in 2065. Gaining the rank and colour code of Captain Blue. Whilst usually only a field agent, when not on duty as such Captain Blue has been on call as a replacement officer for Lieutenant Green at his control desk: episode 5. Appeared in all episodes.

NOTES The Captain Blue character was based on the actor Ed Bishop, who also supplied the voice

LIEUTENANT GREEN

DETAILS. Real name Seymour Griffiths. Place of birth Port of Spain, Trinidad, Republic of Trinidad and Tobago, West Indies. Date of birth 18 January 2041. Height 5 Ft. 8 Ins. Weight 147 Lbs (10 Stn 7 Lbs). Eyes hazel. Hair black.

PERSONALITY PROFILE. On duty Seymour is alert and usually calm, never allowing himself to be flustered, worried or annoyed, except in very dire emergencies, where the Lieutenant can allow his calm to slip ('Attack on Cloudbase', but as this storyline is taken as a dream sequence this side of Green may be taken as misleading). He also seems to have a somewhat sarcastic side to his nature directed towards Captain Scarlet (episodes 4 and 31). Off duty, Green relaxes completely, becoming humourous but not boisterous. He adores music, especially the West Indian Calypso, and frequently delights the other Captains and Angel pilots by playing his guitar and singing traditional West Indian songs

HISTORY: Being the eldest son of a family of nine, Seymour learned life the hard way, for when he was twelve his parents were killed in an un-named air disaster, leaving him to bring up his brothers and sisters. Seymour realised that to survive, the family had to organise themselves. Dividing the heavier work amongst the three oldest brothers, and the housework and the care of the three youngest children to his sisters, Seymour himself dealt with the welfare authorities and social workers who were determined to disperse the family amongst different foster homes. His success in keeping his family united is a measure of Seymour's courage and determination, which he was to show to great advantage in later life. Seymour began his education at an un-named local high school in Trinidad along with his five brothers and three sisters, working in various jobs during the day to earn enough money to keep the family comfortable, and high school at night classes, and then moved onto Kingston University, State of Jamaica in the Caribbean, where he gained his chosen degrees in music, telecommunications and technology. Whilst studying for his post-graduate diploma, Seymour experimented with and finally completed a pocket radio-telescope - the first in the world at that time. From university, after making sure his brothers were able to fend for the family, Seymour joined up with the World Aquanaut Security Patrol (early 2062) as a junior hydrophones operator. Whilst on active duty with the WASP Submarine Corps, his quick thinking and alertness saved the craft he served on from enemy attacks many times. Though after serving on some dangerous assignments for the WASPs in which one of his brothers (name un-recorded) was tragically killed, Seymour requested a transfer to the WASP communications centre at Marineville. His request granted, Seymour took an advanced course in communications, and passed with an unbelievable 100% in nine out of ten of his exams taken - a previously unheard of achievement. The WASPs soon recognised Griffiths' talents and made him sole chief of communications installations for Marineville Control Tower. So efficiently did Marineville's Control Tower run under his guidance that WASP officials created a new communications section, with twenty skilled operators and technicians under his command. This was a challenge that Seymour quickly showed he could easily handle. In late 2065 the Spectrum selection committee, realising Seymour's expert technical knowledge, communications experience, and experience at command level with the WASPs, offered him the rank and colour code of Lieutenant Green, and the position of Colonel White's assistant and chief of communications of Cloudbase with a complex computer-controlled communications console to help him in his field, making Seymour Griffiths one of the first members to join Spectrum. Lieutenant Green is the Colonel's righthand-man and trusted confidante, and through him all of the Colonel's orders for the Spectrum organisation and Cloudbase in particular are passed on. Although Lieutenant Green very rarely gets the chance to leave the confines of Cloudbase during mission status, the Lieutenant has given his position at Cloudbase' communications console over to others on a few occasions (such as when he visited Earth's Moon with Captain's Scarlet and Blue), episodes 5, 10, 12, 18. Appeared in all episodes, though was only seen in episode 32 in flashback in a piece recalled by Captain Blue from episode 18.

NOTES The Lieutenant Green character was based on the actor Cy Grant, who also supplied the voice, and the idea that Lieutenant Green has a love of Calypso music is obviously derived from the fact that Cy Grant was a real Calypso singer himself in the BBC TV series, 'Tonight'.

CAPTAIN OCHRE

DETAILS. Real name Richard Fraser. Other current aliases Yellow Fox ('Winged Assassin', 'Dangerous Rendezvous'). Place of birth Detroit, Michigan, USA. Date of birth 23 February 2035. Height 6 Ft. Weight 170 Lbs (12 Stn. 2 Lbs) Eyes brown. Hair dark brown.

PERSONALITY PROFILE: On duty Ochre is an inspiration and source of encouragement to his fellow members of Spectrum. Off duty he possesses a quick wit, is a jocular conversationalist, and is strongly prone to practical jokes at the expense of others. He also seems very popular with Spectrum's Angel pilots, and spends much of his spare time making model aircraft, and his is apparently very proud of his collection, numbering four hundred items.

HISTORY: Unlike the other Spectrum agents, Richard Fraser, has no outstanding academic qualifications, for hating highschool Fraser spent much of his needed studying time designing and building model aircraft. At sixteen Fraser learned how to fly and received his pilot's license. Leaving high school at age eighteen he failed to attain the necessary grades for entering university. Although he desperately desired to join up with the World Army/Air-Force Richard Fraser didn't have the necessary qualifications for that either. Now bitterly disappointed, Fraser joined what he termed as 'second best', the World Government Police Corps (in 2054), but as if by fate Richard Fraser's real character and abilities emerged with his joining the Police. After three hard years of basic training (2057), from cadet to officer (rank unknown), Richard Fraser became thoroughly engrossed in detective work. After transferance to the Chicago area (2059) he confronted one of the toughest crime syndicates in the US at that time. His ingenuity, imagination, initiative, and ability to spot the minutest detail, formed Richard Fraser into a brilliant detective. These

abilities, plus his leadership qualities, eventually caused the infiltration and ending of this infamous syndicate. Promotion soon followed promotion until the supreme commander of the WGPC retired, and Richard Fraser was first choice as next in line. His superiors and fellow officers alike were astounded when he point blankly refused this great opportunity, but Richard knew that he would always be chained to a desk job with mountains of tedious paperwork. He thus decided that he'd rather take charge of his own small division with all its action and excitement rather than any mundane clerical work offered. It was this loyalty to his own ideals, inspired detective skills and common sense, which, in 2065, aided the Spectrum selection committee in approaching him. The challenging work and action promised by Spectrum was an easy choice for Fraser, and he was approached by their selection committee on the 19th of June 2066, which involved Richard Fraser in 'Operation Jigsaw', a fake assassination attempt, to make the world think him dead, but would give him the freedom to work unhindered. Fraser went on to join Spectrum officially a month later, earning him the rank and colour code of Captain Ochre. Whilst usually only a field agent, when not on duty as such Captain Ochre has been on call as a driver for the VIP transporter known as Yellow Fox (episodes 2 and 20). Appeared in episodes 2, 4, 6, 10, 11, 15, 19 (only seen in lounge), 20, 21, 23, 27-31 (only seen in conference room).

CAPTAIN GREY

DETAILS: real name Bradley 'Brad' Holden. Place of birth Chicago, Illinois, USA. Date of birth 4 March 2033. Height 5 Ft. 11.5 Ins. Weight 173 Lbs (12 Stn. 5 Lbs). Eyes brown. Hair black.

PERSONALITY PROFILE: On duty, Brad' Holden has all the distinct qualities associated with the agents of Spectrum, a cool handling of situations, quick thinking, alertness, with fast reactions and an uncanny anticipation of impending danger. Off duty, Captain Grey is a cool, logical thinker with a flair for crude remarks and sarcasm. With a dark, often emotionless interior and a calm, carefree surface. He has a dedication to his hobby of swimming, and spends long hours in the Cloudbase swimming pool developing new swimming styles. At this moment Grey is carrying out research into the miniaturisation of SCUBA aqualung diving gear.

HISTORY. Educated at the World Navy academy in San Diego, California, Brad Holden gained degrees in navigation, aqua-technology and computer control. After graduation, at age 21, Brad immediately enlisted in the World Navy submarine service, and was stationed at Sydney, Australia, where he was trained as an officer and given command of an un-named World Navy submarine. On a number of his assignments Brad's ideas, cool reactions in a bad situation, his courage and alertness saved the lives of his crew and craft from capture by the enemy. But, with the founding of the World Aquanaut Security Patrol (2062), Brad was transferred and promoted to security chief of the WASPs with a rank of lieutenant commander, and from there was placed in charge of the prototype combat submarine later to become known as Stingray (2062 - 2064). In command of this vessel, Holden became a real credit to the service, and his heroic encounters with threatening underwater enemies, piracy and espionage were at least comparable with his more famous successor Troy Tempest. But, some unspecified form of back injury led to him having to leave command of the Stingray prototype in late 2064 for a desk job. Two years later Brad's reputation in active service and his superb handling of security measures reached the eyes and ears of the Spectrum organisation's selection committee and Bradley Holden accepted Spectrum's offer of becoming a field agent, with the reduced rank of Captain and the colour code Grey. Appeared in episodes 1 (only seen in conference room), 2-4, 6, 10 (only seen in conference room), 15 (only seen in conference room), 23, 19, 21, 30 (only seen in lounge), 31 (only seen in lounge).

CAPTAIN MAGENTA

DETAILS: Real name Patrick Donaghue. Place of birth Dublin Bay, Leinster Province, Republic of Ireland. Date of birth 17 May 2034. Height 6 Ft. Weight 173 Lbs (12 Stn 5 Lbs) Eyes brown. Hair black.

PERSONALITY PROFILE: On duty, Donaghue seems dedicated and descisive, taking on each new mission as a personally zealous challenge, dedicating himself to succeeding whatever the danger. Though he does seem a little panicky and nervous in strenuous situations ("Attack on Cloudbase', but as this storyline is taken as a dream sequence this side of Magenta may be taken as misleading). He is courtious to rank and ever eager to please. Off duty he's charming and sarcastically witty, though is prone to officiousness ("Operation Time"), and although he likes to be in other people's company much of the time, he occasionally choses to be alone to think and have time to himself. Spending some of this spare time designing ways to make World Government security buildings even more impregnable.

HISTORY. Patrick Donaghue is near enough the odd one out from the other Spectrum agents and flight crew, for when he was three his parents emigrated to the USA, but not having a great amount of money the family settled in a poor suburb of Manhatten Island, New York, where Donaghue grew up in an atmosphere of poverty and street crime, mixing with street gangs where learning to pick a pocket was more important than learning to read and write. But, encouraged by his mother, Patrick studied hard at an un-named local high school, eventually against all odds winning himself a scholarship to Yale University, New Haven, Connecticut, USA. Beginning at Yale, Patrick soon became involved with the small gang extremists known as 'Group 22', and went to Riker's Island, New York State county prison for a term of 90 days for his part in the 'anti-Bereznik riots' of 2052. Patrick spent much of his time whilst in jail, in the prison library, also continuing his university studies via correspondance, returning to Yale after his term in prison. Graduating Yale University (in 2055, aged 22) with degrees in physics, electrical engineering and technology, he joined a large un-named firm in Williamsburg, Brooklyn, Manhatten Island, New York, as a computer programmer, after returning home. But the boring repitition of his desk job made him yearn for a chance at action, adventure, and to get himself and his family out of the ghetto, big money. So again Patrick returned to a life of crime, bringing together a small though efficient crime ring operating in NY State. By organising the smaller street gangs together, Donaghue soon brought the individual 'arms' of these criminal gangs into a real 'body' of organisation. Within two years, through his ambitious imagination and ingenuity, Patrick became highly regarded and somewhat respected in the underworld of crime, deriving much of his financial gain from computerised crime, and eventually controlling nearly two thirds of the criminal organisations of New York State. Donaghue was a 'Kingpin' of crime, meticulous in detail and utterly ruthless in instigation. The Spectrum organisation's selection committee soon realised that they'd need someone like Patrick Donaghue - respected and trusted within the 'underworld' - if their security organisation was to succeed in beating their infiltration by other criminal organisations, someone who was able to safely work on the 'inside' with such criminal groups. For this reason the Spectrum selection committee contacted Donaghue through a coded advertisment placed in the 'Help Wanted' section of the 'Daily USA' newspaper, offering him the position as a field agent. This new challenge interested Donaghue and he accepted the offer, after consideration and on the terms that he be granted a full free pardon by the World Government. Whilst usually only a field agent, when not on duty as such Captain Magenta has been on call as a replacement officer for Lieutenant Green at his control desk; episodes 12, 18, and also as a duty officer in Cloudbase's radar room; episode 31. Appeared in episodes 1 (only seen in conference room), 2, 6, 8, 10 (only seen in conference room), 11, 12, 18, 19 (only seen in lounge), 23, 28 (only seen at roadblock), 29, 30 (only seen in lounge), 31 (only seen in conference room).

Lieutenant Green

DOCTOR FAWN

DETAILS. Real name Edward Wilkie. Place of

Spectrum Helicopter

birth Yalumba, Australia Date of birth 10 July 2031 Height 5 Ft. 8 Ins Weight 157 Lbs (11 Stn 3 Lbs). Eyes brown. Hair black

PERSONALITY PROFILE On duty Dr. Fawn is completely dedicated to his work and the advancement of medical science, work which frequently takes up a full twenty four hours of the day. He never seems to tire and refuses to stop working until every eventuality has been taken care of. Even off duty he spends much of his spare time in medical research (presumably including his trying to decipher Captain Scarlet's unique indestructable physiology.) and improving his medical robots.

HISTORY: As the son of a well known Australian medical specialist, it seemed inevitable to Edward Wilkie that he should take up his father's career and become a doctor. Gaining great standards in Biology at school (which helped him in his medical studies in university), Edward entered Brisbane University, Queensland, Australia at only 17 Graduating with honours degrees in medicine and biology, he entered the World Medical Organisation (2055, aged 24) as Assistant Medical Controller in the Australian sector, and managed to gain valuable background experience during his short term with this relatively small sector. Wilkie soon recognised the growing need to modernise the current techniques of the Australian sector medical service, a service still run on the concepts and ideals of the twentieth century. After his promotion to Health Controller for the Scandinavian sector, he devoted all of his spare time to planning such a re-organisation of the WMO, and in two years (2057) he made great progress, outlining a system to revolutionise this vital service. His primary moves were in the developement of robot doctors, and in doing so Wilkie designed and created computerised beds with heuristic programming, near free minds of their own who think for themselves, able to sense, measure, analyse, compare and identify medical problems and generate the correct solutions These 'robot doctors' are equipped with X-Ray cameras for eyes, and numerous other devices, able to pin-point a patient's medical complaints, given enough data, in a matter of seconds. The designs for Fawn's robots were also used as the 'autonurses' used by the World Aquanaut Security Patrol. The WMO then made Wilkie Administrator for the Advancement of Medicine (2057 - 2064), and gave him all the resources, and man-power needed to put his systems into practice. It was sometime between these dates that Edward Wilkie became married (date unspecified, wife's name unknown). For his campaigning attitude towards medicine and his outstanding ability to develop and discover new ways of healing, Wilkie was approached (in 2065) by the selection committee for the new Spectrum organisation, and offered the colour code of Fawn and the job of Supreme Medical Commander of Cloudbase. Appeared in episodes 1 (in Spectrum uniform. Seen in conference room), 2 (in Spectrum uniform), 15 (only seen in conference room), 21, 24, 30 (seen in uniform), 31 (in Spectrum uniform. only seen in conference room).

CAPTAIN BROWN

DETAILS: Data from Spectrum files withheld In deference to the deceased agent's family, the Spectrum organisation will not release any personal information of Captain Brown, such as real name, place of birth and date of birth, etc. Though what is known is that Brown has black hair, brown eyes and that the first and only sighting of Captain Brown was apparently his first taste of commanding a mission, according to a statement from Captain Scarlet to Brown. "Well, your first big assignment, I wish you luck." in 'The Mysterons'. Just after the failed Zero-X mission to Mars in February of 2068, whilst driving in a Spectrum saloon car, Captains Brown and Scarlet were killed and Mysteronised when their car was forced to crash. The Mysteronised Captain Brown then set about following the Mysteron's first plan to assassinate the World President. ('The Mysterons'). Appeared in episodes 1, 2 (in flashback sequence recalled by Scarlet in Sickbay).

CAPTAIN INDIGO

DETAILS: Data from Spectrum files withheld in deference to the deceased agent's family. Though what little is known is that Captain Indigo has black hair, blue eyes, and that in his first and only sighting he was working as a liason officer between the Spectrum organisation/Cloudbase and the Spectrum Intelligence Agency base, hidden beneath a private game reserve, where he posed as a waiter/barman. Appeared in episode 9

THE ANGELS

The five young women who make up Cloudbase' flight team, the Angels, form a most deadly air-combat force. All gifted with flying experience, and intellect, the Angels are a harsh reminder to the enemies of Cloudbase, the Spectrum organisation itself and the World Government (Mysteron forces primarily) of the Earthmen's will to live and their determination against all odds. The Angel's super-sonic aircraft all require the highest level of flying skills from their pilots. Though it is to Colonel White's credit, through his driving personality, as well as the individual Angels themselves that this potential has been brought to the surface Off call, but still on duty the two remaining duty Angels (as the first is always sitting ready in Angel 1 for the call to launch) relax in the amber room, where a great library of music tracks, films and books on ultra-definition video tapes, micro-file diskettes as well as on compact disk, is stored on the built-in shelving lining the walls. When the order "Angels 2 and 3 immediate launch." is given by Lieutenant Green, the respective stand-by Angels take up their positions in the special cockpit, bucket-seats, situated in the liftshaft in the inner wall, and are hydraulically lifted into position, through the base of their aircraft, on Cloudbase Flight Deck ready to take off.

DESTINY ANGEL

DETAILS. Real name Juliette Pontoun. Place of birth Paris, France. Date of birth 23 August 2040 Height 5 Ft. 3 Ins. Weight 122 Lbs (8 Stn. 10 Lbs). Eyes brown. Hair blonde.

PERSONALITY PROFILE: On duty Destiny is utterly ruthless and totally efficient at her job, but once she's off duty her personality changes, she's charming, sophisticated and very feminine. Destiny is extremely fashion conscious, and any spare time she has is spent on dressmaking and clothes design (as shown in the restaurant sequence at the end of 'Big Ben Strikes Again').

HISTORY: Being the daughter of an un-named, wealthy textile manufacturer, Juliette Pontoun gained her education at an un-named parisian convent, and later moved to Rome University, Italy (2057). Although she enjoyed her stay at university, Juliette did prefer an exciting social life rather than her studies (distancing herself from the memories of convent life), and only passed degree-level courses in telecommunications and weather control, not all her courses taken. Now, not knowing just what career to go for, Juliette decided on joining the World Army/Air-Force (2060) as a 'fill-in' job. Because of her unusual qualifications and few job interests, Juliette was moved to the WAAF intelligence corps. There she became so enthusiastic in her work that she decided to make intelligence her career after all. As another part of the job Juliette began training as an aircraft pilot and soon made a name for herself amongst WAAF officials for her flying skills, as well as her handling of intelligence gathering and efficiency in handling

tricky situations. Juliette handled her job superbly, bringing down many enemy organisations. As a reward for her skills and contributions to the WAAF her superiors promoted her to commanding officer of the newly initiated, equal opportunities program, women's fighter squadron. Excelling in air-combat tactics and fine leadership, Juliette soon gained the respect and admiration of other squadrons, becoming in the process ace pilot of the WAAF. However, after three years in the WAAF, Juliette tired of the lack of personal freedom and the strict regimentation the armed forces brought, and so she decided to leave, to start her own firm of flying contractors. For her tremendous prowess in the field of intelligence gathering, her faultless record with the WAAF, and her great piloting skills, Juliette was approached in 2065 by the selection committee for the new Spectrum organisation, and she happily accepted the job of combat pilot and code name Destiny Angel. Appeared in episodes 1-3, 5, 6, 8, 9, 13-16, 19, 20, 22-24, 26-31

NOTES The Destiny character was based on the actress Ursula Andress. Of all the members aboard Cloudbase why was Destiny in particular asked to identify the body of Scarlet in 'The Mysterons' and not the Colonel or Captain Blue, his closest friend?

SYMPHONY ANGEL

DETAILS: Real name Karen Wainwright. Place of birth Cedar Rapids, Iowa, USA. Date of birth 6 January 2042. Height 5 Ft. 8 Ins. Weight 124 Lbs (8 Stn. 12 Lbs). Eyes brown. Hair blonde

PERSONALITY PROFILE: On duty Symphony is dedicated to her role as a Spectrum pilot, being thoroughly proficient in all her skills. Though sometimes her impetuous intuition gets too strong ('Manhunt', 'The Trap'). Off duty, she's sympathetic to her fellows and quick witted. Her great hobby is hairdressing, and she's often asked by the other Angels to create a fabulous new hairstyle for a special date. Also off duty Symphony seems to have a romantic relationship with Adam Svenson (Captain Blue), these feelings are obviously reciprocated by Svenson to a degree that he has put both his friendship with Colonel White and his job 'on the line' ('Attack on Cloudbase', but as this storyline is taken as a dream sequence this side of Blue may be taken as misleading).

HISTORY. Karen was gifted at her un-named high school in Boston, Massachusetts, often coming top of the class, and graduated to Yale University, New Haven, Connecticut, New England, USA at only 16. There also she bettered all the other students, gaining seven degrees in the study and employment of mathematics and technology. For her great academic abilities, Karen was nominated as 'student of the year' by the combined university committee. After graduating Yale, Karen Wainwright was contacted by the Universal Secret Service. The excitement of the USS greatly appealed to her and she leapt at the chance to undergo their comprehensive training course, which she passed in only two years (early 2062), though most others taking the same course need at least five to complete it – so directed was her adaptability and thinking. Whilst on active duty as a field agent dealing solely with industrial espionage, Karen became a great credit to the USS. Her tactful handling of tricky assignments made her the USS' number one secret agent, and within five years Karen had developed techniques to help revamp the ideals of espionage under the USS - her 'methods' of operation being copied by many other such agencies. And whilst training as an aircraft pilot for a special mission for the service, Karen fell 'in love' with flying, and soon realised that the one ambition in her life was to become a pilot. Leaving the service (early 2067) she joined up with an un-named charter company dealing purely with worldwide passenger transport. So good were Karen's flying skills that she gained world-wide recognition, and frequently became headline news. In late 2067 the selection committee for the new Spectrum organisation recognised her potential and offered her the chance to become one of their pilots. Karen passed the terrifying entrance exam with ease, and was immediately enlisted by Spectrum as Symphony Angel. Appeared in episodes 1 (only seen in conference room), 2-4, 6-10, 14, 19, 24, 27, 29 (see note to episode 29.), 30-32 (seen in flashback from episode 7).

RHAPSODY ANGEL

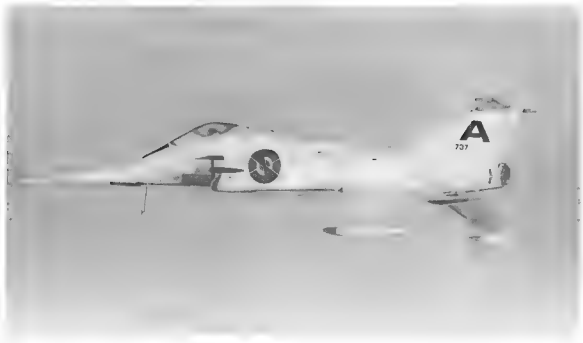
DETAILS: Real name Dianne Simms. Place of birth Chelsea, London, England. Date of birth 27 April 2043. height 5 Ft. 6 Ins. Weight 124 Lbs (8 Stn. 12 Lbs). Eyes blue. Hair red

PERSONALITY PROFILE: Both on and off duty Dianne Simms is charming, sophisticated, with a dedicated responsibility towards Spectrum, her fellow officers and pilots. Off duty Rhapsody has a bright and bubbly personality ('Spectrum Strikes Back'), with a love of chess, and she and Symphony Angel have been attempting to re-design the already available three-dimensional chess board with new rules for it, as mentioned by President Younger in 'The Mysterons'.

HISTORY: Dianne Simms is the daughter of World Government official, Lord Robert Simms. Educated first at an un-named girl's public school, Dianne then moved onto London University, England (aged 19), taking degree level courses in law and sociology. There she entered the swinging party life of a debutante from a wealthy family. But soon the endless parties and hangers-on began to bore her, and she longed for some adventure and excitement in her life. It was, however, at one particularly dreary party that Dianne was introduced to Lady Penelope Creighton-Ward (who was born on the 24th of December 1999, so would have been 63 at the time) the then still head of the Federal Agents Bureau, the world's largest independant detective agency, and Britain's top secret agent (well, who would have suspected an old lady of being a spy?). Lady Penelope recognised her longing for a life of action and adventure, and suggested Dianne should join the FAB. And so she was delighted when she was accepted (early 2063) and sent for special training. After her initial developement course Dianne was given many difficult and dangerous assignments, in the UK and abroad, sometimes with other members of the FAB, but often alone. She succeeded many times in outwitting the enemy and bringing certain espionage agents to justice, but with the starting of International Rescue's updated adventures printed in 'TV Century 21', Lady Penelope retired from the FAB to join the magazine's editorial team as chief IR consultant/advisor (to ensure an accurate portrayal of the historic rescue organisation's exploits.) and the position of supreme commander of the FAB was offered over to Dianne Simms. Under her auspices the FAB continued to be a highly distinguished and respected independant detective agency, and her ingenuity, intellect and coolness against imminent danger made her the most sought after free-agent in Europe. She repeatedly turned down job offers from other security organisations, and when the FAB was unfortunately forced to close in 2065 she instead joined the Euro-Charter Airline Company as chief security officer. The selection committee for the newly created Spectrum organisation had closely followed Dianne's career and realising her tremendous potential, chose her to become one of their five Angel pilots in late 2066. Appeared in episodes 1, 2, 5, 6, 9, 15, 17, 19, 22, 24 (only seen in amber room), 29 (see note to episode 29.), 30 (only seen in Lounge), 31.

Captain Grey

NOTES The episode 'Place of Angels' states that Rhapsody lived for a time in Manchester, England. Unfortunately Rhapsody's official biography from the first Captain Scarlet annual (1967) cannot be reconciled with either the Captain Scarlet series, details from the Thunderbirds series or Lady Penelope's biography, so only the 'flavour' of Rhapsody's biography from the annual has been used. Please consider the fact that International Rescue was a secret organisation from 2024 - 2026, but not in 2066 when the fictional accounts of popular heroes of the past/present (such as International Rescue) were being printed in a 'current day' setting (meaning these accounts were updated and set in 2066) in 'TV Century 21' magazine, when the people and craft of IR were then public knowledge. The Angels strip in 'Action 21' magazine even lists Rhapsody as joining the Airways Light-Freight Agency, Norfolk, when the FAB was forced to close, but I've used the official annual's version of Euro-Charter Airline Company.



Angel Interceptor

HARMONY ANGEL

DETAILS: Real name Chan Kwan. Place of birth Tokyo (Edo Province), Tokyo Bay, Island of Honshu, Japan. Date of birth 19 June 2042. Height 5 Ft 1 5 Ins. Weight 120 Lbs (8 Stn. 8 Lbs). Eyes black. Hair black

PERSONALITY PROFILE: On duty Harmony is truly devoted to Spectrum and is regarded as their best pilot. Off duty she is full of mysterious eastern charm and femininity She also has a love of physical sports, spending her spare time in the gymnasium practising and teaching the other Angels karate and judo (of which she is a 4th Dan blackbelt. Her father is known to have been a 3rd Dan blackbelt, Harmony being his Sensei (teacher), 'The Launching'.

HISTORY: Chan Kwan is the daughter of a successful chinese business family, with small offices in Peking and Tokyo Chan Kwan was born in Honshu, Japan, whilst her mother accompanied her father on official business Being the only daughter of wealthy, chinese, flying-taxi service (Peking Taxi Corps, Peking, People's Republic of China) owners, Chan grew up in a world of various high speed aircraft, mostly jet-planes. After her education at Tokyo high school (Chan travelled between China and Japan in the holidays, but stayed with relatives of her mother whilst at school), and then at an un-named finishing school in London, England (until age 17), Chan Kwan soon realised that the only real career she ever wanted was the one which truly flowed through the blood of her family, flying But at her father's request, Chan gave in and enrolled at Tokyo University (until 2062, aged 20), taking degree level courses in physics and aerodynamics, also presumably electro-mechanics. However every minute of her spare time was taken up flying with friends she'd made at the Tokyo Flying Club, and although she gained grade-1 honours degrees in her chosen subjects, her only ambition now that she'd graduated, was to prove that she could pilot a small jet-engined aircraft single-handedly round the world. And so she spent the next two years (2062 - 2064) perfecting her flying skills, and with the money from a fund set up for her by her father, she purchased a used, single-seater, flight-trainer jetplane, spending the next three months in the workshops of her fathers flying taxi company 'souping-up' and converting it to her personal requirements. On 2 March 2064 Chan Kwan set off on her lonely voyage around the globe Her first attempt failed, when after only 36 hours of solo flight, Chan received a weak distress signal from three men stranded helpless aboard a blazing fuel tanker in the Pacific ocean. With her perfect flying and some split-second timing Chan managed to land her small plane on the deck of the ship. Rescuing the exhausted men, she flew the four of them back to land (after stripping the plane's fuselage down to its bare essentials). The rescue a success Chan Kwan was acclaimed a heroine the world over, and six months later her ambitions were finally fulfilled when she single-handedly flew her way around the world, breaking all previous records. But in September of 2065 Chan's father died leaving her in full command of the family business, Peking Taxi Corps. Though of course she was well catered for by her father's trust fund, and within a year, under her personnal management, the firm expanded into one of the biggest and swiftest freight and flying taxi services in the eastern world. In mid 2066 it was her dedication to a cause and her great flying abilities which made her the unanimous choice of the Spectrum selection committee, for one of their Angel pilots, and so Chan Kwan was given the code name Harmony Angel. Appeared in episodes 1-3, 5-7, 10, 13, 15-17, 19, 22-24, 27, 29, 30 (only seen in lounge), 31 (only seen in conference and amber rooms).

NOTES Unfortunately the birth place of Harmony Angel from her official biography cannot be reconciled with known details, and her real name differs from known Japanese terminology.

MELODY ANGEL

DETAILS: Real name Magnolia Jones. Place of birth an un-named Cotton-farm, Atlanta, Georgia, USA. Date of birth 10 January 2043. Height 5 Ft. 2 Ins. Weight 121 Lbs (8 Stn. 9 Lbs). Eyes brown. Hair black.

PERSONALITY PROFILE: On duty Melody is a pillar of strength. She's tough and determined, giving encouragement to her fellow pilots in difficult situations Off duty, Melody's strong personality makes her the leader amongst the Angels. Her favourite hobby in her spare time is learning languages, and at the last recorded incident Melody was trying to master the japanese tongue, presumably with Harmony's help?

HISTORY: Born on a cotton farm in the south of the USA, Magnolia Jones was the odd one out of the family. Having four older brothers, she grew up as a 'tomboy', playing and thinking like a male Often playing truant from school with her brothers. Magnolia wasn't very bright at school, presumably due to her missing so much time. She therefore left school at age 15 to take up her passion for motor racing (even taking it up professionally at one point), a sport she excelled in. Magnolia's parents then agreed that she'd spent far too long living like a boy and it was about time she became a 'lady', and so they sent her off to an un-named finishing school for girls in Switzerland. Magnolia hated this idea, until she discovered she was now allowed to fly. Flying became a passion for her and after being expelled from this school for unruly behaviour (this finishing school obviously did nothing to calm her masculine nature.), Jones joined the World Army/Air-Force (2061; aged 18). Magnolia loved the air-force life, and began training as a test pilot where her courage and nerves of steel made her the most reknowned test pilot of the WAAF at that time. During her test flight of aircraft XKF.115, base control lost radio contact with her somewhere over the south seas, and she was feared dead. The search for her lasted three weeks and all hope was lost, then suddenly a year later (2063) she reappeared having scratch built herself an air-worthy craft from the salvagable wreckage of the XKF.115. After this Magnolia left the WAAF to concentrate purely on her flying, and backed by money given to her by her father, thankful for her return to safety, she set herself up as a flying-taxi service aimed at luxury inter-city flights for business executives Then in 2065 her great determination and flying skills brought her to the attention of the selection committee for the new Spectrum organisation who approached her and she eagerly accepted the challenge of becoming one of their pilots, Melody Angel. Whilst usually only an Angel Interceptor pilot, when not on duty as such Melody Angel has been on call as a Spectrum helicopter pilot; episode 5. Appeared in episodes 1 (only seen in conference room), 2, 3, 5-8, 10, 13, 15-17, 19 (only seen in amber room), 20, 21, 29, 30 (only seen in lounge), 31 (only seen in the conference and amber rooms).

OTHER RECURRING CHARACTERS

WORLD PRESIDENT

DETAILS: Real name Younger (initials given in TV Century 21 (issue 119, dated 29/4/2067), only as T. J. (sic)). Date of birth 2026. Due to security reasons, the World Government will not release any personal information on World President Younger, other than real surname, such as place of birth and height/weight, etc. Though what is known is that President Younger has silver-grey hair (original colour black), blue-grey eyes, and that Younger was the second World President, taking over from World President Nikita Bandranaik in 2067, who held office until early 2069 when a number of political failures destroyed his career. He also used the alias 'Mr. Lion' in 'Spectrum Strikes Back'. Appeared in episodes 1, 9.

The Mysterons A Synopsis

The Mysterons, sworn enemies of Earth. Possible word origin 'Mysterion', Greek for 'keeping silent' or 'closed of the eyes or mouth'. For example, Conrad Turner, Captain Black, never was much of a talker once the Mysterons got their 'hands' on him. The Mysteron's 'war of nerves' is also mostly based on their first issuing a

clued statement for the Earthmen to solve and then their total silence after this.

The Mysterons first came to the attention of Earth in February of 2068, when Captain Black, as Spectrum's number 1 agent and ex-World Space Patrol member, was the automatic choice of the World Government when the decision was made that a Solar System Exploration Centre expedition should journey to Mars in order to investigate strange radio signals picked up by Spectrum (episode 1). There an SSEC crew of two (co-pilot, Lieutenant Dean, and space navigator Conway), with Captain Black as team leader, took a Martian Exploration Vehicle down onto the planet's surface. Black's mission was basically to seek out and examine the source of these mysterious wave forms, detected in the Rock Snake hills area. There they find a series of alien buildings, apparently deserted of organic life, though a mechanism operates which turns the complexes scanning devices to view the MEV as it comes into range. The complex is apparently controlled entirely by sentient computers, left behind by the real Mysteron race. The Mysterons aims are, apparently, simply to observe at a distance and make peaceful contact with the Earthlings. But peace was not to be, as in a moment of panic Lieutenant Dean mistakes these scanners as weapon emplacements, shouts "They're obviously hostile!" and Black, his nerves cracked, commands Dean to open fire upon the city of the Mysterons. This attack upon the Mysteron complex became the first blow in a devastating 'war of nerves'. The Mysteron' city is destroyed, though mechanisms activate and a 'green ray' device shines upon the remains mysteriously recreating it in an instant, as if reversing time upon the ruins. When the Zero-X returned to Earth, and Black vanished after the craft reached Glenn Field Spaceport, it wasn't long after this that the people of Earth received their first threat from the Mysterons from Mars.

Two base complexes are known to have existed, created by the Mysterons. The interior of the first, sited on the Cranium, rock-plateau in the Rock-Snake hills of Mars, was never seen by human eyes (though no information is available as to what happened to Captain Black.), so as yet it is impossible to gauge any information concerning the Mars complex (episode 1) Though we do have some data, gathered by Captains Scarlet, Blue and Lieutenant Green, of the Mysteron complex in crater 101 of Earth's Moon (episode 18) Evidence from which suggests that there were no Mysteron creatures still living in the Luna complex and that the place was run entirely by computers. Which also raises the question of "Why build a new complex on the moon when the Mysterons had already taken control of Lunarville 7 itself"? The Luna complex also shows many facilities designed for use by an inhabiting lifeform For example, anti-gravity lifeshafts and viewing screens. So it's entirely possible that this Luna complex was built simply as a trap for the Earthmen?

Where the Mysteron race originally came from may possibly never be known? Though we may assume two things, that..

A) Many thousands of years ago, some original, organic members of the Mysteron race, from some as yet undisclosed star-system travelled through space and eventually settled on Mars Building for themselves a new city-based community.

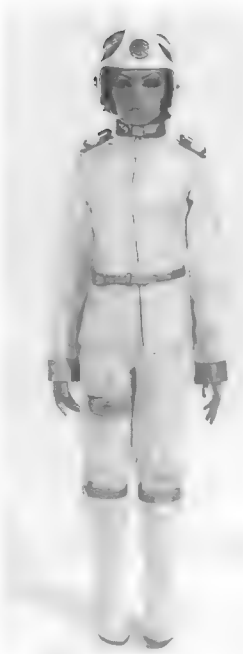
B) The Mysteron's Martian complex cannot be their only base. As using some of their own communications as a basis, name it as "Our Mars complex", or "Martian complex" as if other cities belonging to them existed elsewhere?

One theory exists (supported by the scenes of the Spectrum members inside crator 101) that the original, organic lifeform, the true Mysterons, have abondoned their Martian complex leaving this city solely in the control of their sentient, heuristic computer systems (c. 1901 Earth-time).

The Mysterons greatest weapon and defence is their power of retro-metabolism (the secret of reversing matter; episode 1). Allowing them to both repair any damage sustained to their city complexes, and to recreate/repair any human subject or piece of equipment in an exact likeness under their control. Origin; Latin for re-intro 'going backwards' or 'turning in a reverse direction'. Greek; meta 'or para. Something situated behind, or beyond the current status of an item'. Plus 'bolism', the chemical changes occuring in living cells by which biochemical energies are generated and new materials to create such cells are assimilated). The Spectrum Saloon carrying Captains Brown and Scarlet on their way to escort the World President, to the Spectrum Maximum Security Building in New York, was made to crash by the Mysterons, killing them both. The Captains were then Mysteronised (exact duplicates, even down to their very memories, but under the control of the Mysterons were created) at the crash sight, and the body of Captain Brown was hidden in the undergrowth at the crash-sight, presumably by his own Mysteronised duplicate, who also presumably disposed of the original body of Captain Scarlet; episode 1.

We might also presume that due to the artificial structure of any Mysteron agents having far different chemical abilities, and likewise weaknesses, to normal human beings, that high voltage electricity might atomically restructure or disrupt the differing cell patterns of these 'agents' just enough to damage their artifical bodies causing their deaths (episode 9). This may also explain why the Mysterons lost their control over flight 104, when the airplane flew over an electricity generation powerstation; episode 23. This theory may also help to illustrate Scarlet's ability to distinguish between normal humans and the artificially created Mysteron agents, by these agents having atomic structures slightly 'out of phase' enough with normal humans and his own structure that he becomes dizzy and/or nauseous in the presence of such agents? So that perhaps his own body coming into contact with that of a Mysteron agent may cause 'interference' in some way like the opposite poles of two magnets pushing each other apart? It also seems that Captain Black has the same sixth sense as Scarlet, when Black was able to detect the presence of the Spectrum agents chasing him (episode 22).

The Mysteron agents are apparently not totally under the Mysteron's power. For example, when the Mysteronised controller of Lunarville 7 realises he has lost control of the Lunar city, he takes out an all too human revenge on the Speech Intelligence Decoder computer, SID (episode 12). Another example, is the all too human greed and corruption of the two Mysteronised conmen who try to enlist the supposedly ex-Captain Scarlet into their plan to destroy Nuclear City, Nevada (episode 20). Captain Black himself also 'appeared' to have some of his still-human side, when releasing Symphony Angel from the nuclear reactor of the Culver Atomic Center (sic), where Black states "The Mysterons also have compassion." (episode 4), or his show of moral judgement upon the humans trying to rob the 2nd National Bank of New York ('Heart of New York')



Harmony Angel

NOTES It is also worth noting that in episode 23 Captain Scarlet photographes as a black silhouette, when photographed by a normal camera

THE SPECTRUM ORGANISATION

In the early 2060's when the new security organisation, Spectrum, was being put together, under the control of the World Government (and the watchful eye of the then current World President, Nikita Bandranaik), working from Unity City, Bermuda. The World Government decided that many of the organisations staff, including top field agents and all-female squad of fighter-pilots (as this is, supposedly, an age where women have gained true equality with men, though there are apparently no female Captains, or none seen on screen anyway, and all major countries have joined together as one united world.) should be recruited from the world's existing security forces, to shorten training time, but primarily to obtain the world's best in their chosen fields. Documents were sent out to the relevant leaders of these organisations requesting details of suitable personnel. Organisations contacted included World Aquanaut Security Patrol, World Space Patrol, World Army/Air-Force, World Government Police Corps and Universal Secret Service, etc.

The Angels (left to right: Symphony, Rhapsody, Destiny, Melody, Harmony)

Major Craft

CLOUDBASE

Cloudbase is a massive, grey/white aircraft carrier of sorts floating 40,000 feet (7 and a half miles) above the surface of the Earth, and is held aloft by 4, vertical-thrust, air-ducting, hover 'combines' (producing 500 Tons Per Square Centimetre, 2,688,000 Lbs PSI thrust), with horizontal thrusters able to propel it to any point around the world in a matter of hours. These atomic-jets are powered by air-intake, nacelle located, nuclear-powered, cloud-vapour conversion jets, powered by 20+ Cahelium engines. Cloudbase is a 630 feet long, 330 foot wide battlestation in the sky, from where the 593 person crew (sic) of field agents (the Captains), female aircraft pilots (The Angels), medical, administrative and maintenance staff operate. The Captains, Angels and some administration staff (Colonel White and Lieutenant Green) usually work on a four hours on call/four hours off basis, with four hours on/two off in emergencies. Cloudbase was constructed at an un-named World Government research depot in Stockholm, Sweden, with the fifty separate sections prefabricated and assembled in outer space. Cloudbase is powered by solar-cell panels, feeding the 20+, Solar energy powered Cahelium, electricity generators. Cloudbase is made from hardened Fleetonium alloy, and the various types of aircraft carried by Cloudbase include Spectrum helicopters, the Angel's Interceptor fighter jets and Spectrum passenger jets. Appeared in all episodes.

Located in the main control room are Colonel White's control desk and Lieutenant Green's communications console. From his desk the Colonel is able to contact all the world's companies, any individuals, Spectrum's auxiliary forces and World Government groups, etc. From his communications console, with its own colour-coded chair, the Lieutenant is able to help decipher any Mysteron threats, and use this communications console to record, file and recall for further use, vast amounts of information necessary for the maintenance of Cloudbase itself. From all around the World information is radioed automatically through Cloudbase telecommunications systems (or various worldwide Spectrum Information Centres), where it is identified, sorted, gauged on importance values, and passed on for storage. All members of Spectrum personnel (Captains, Angels, security officers, etc) are connected to Cloudbase by their radio-transceivers (cap mikes for example) linking them with the communications network of Green's desk, and every member of staff must make at least 2 daily reports to the Lieutenant. Other information is also relayed through to Colonel White and Lieutenant Green through Spectrum's communications section and the Spectrum Information Centres. Every major city on Earth (barring Bereznik presumably?) has some form of Information Bureau (a Spectrum Information Centre or otherwise), linking them up with Cloudbase. Adjacent to this main Control Room is a short, curved, tunnel-like gallery. This observation tube is constructed from some clear plastic-like material (possibly Cahelium alloy?) giving all-round clear visibility of the area surrounding Cloudbase. Other areas mention or seen are the room of sleep (episodes 6 and 22), Dr. Fawn's medic bay (episodes 1, 2, 30 and 31), the isolation ward (episode 24), operating theatre (episode 8), and the engine room (episode 8), all of the last four being on deck 'C'.

When changing position around the World the course co-ordinates are given by Colonel White to the Lieutenant in the form . . . "Set a course 124, magnetic, maintain present speed"; episode 14

Though Spectrum is by no means reliant on Cloudbase alone, with ground based Spectrum agents and hidden MSVs, SPVs and saloon cars dotted world-wide when needed. Various other Spectrum organisations also exist on Earth including . . . The Spectrum Maximum Security Building in New York, in which World President Younger stayed during Spectrum's first encounter with the Mysterons; episode 1. The Spectrum armed guards; episode 1. The Spectrum organisation has headquarters in the cities of London (episode 1), Rio de Janeiro, Moscow and New York (episode 1). The Spectrum Information Centre; episode 1. The Spectrum Intelligence Agency, one section of which was hidden beneath a private game reserve, in which World President Younger and others were trapped during the SIA's first field test of the new C.38, Mysteron detector and Mysteron gun; episode 9. The Spectrum Police; episode 11. The Spectrum Security Vaults, which were raided by 3 bankrobbers who later posed as Mysterons to break into the 2nd National Bank of New York; episode 11. The Spectrum Training School and hovercraft testing centre at Koala Base, Australia; episode 16. The Spectrum oil refinery at Bensheba; episode 21. The Spectrum Records Office, part of the Spectrum Information Centre perhaps? Episode 23. The Spectrum Ground Forces, desert patrol; episode 31.

SPECTRUM PURSUIT VEHICLE (SPV)

These fast, rocket-armed, heavily armoured and amphibious SPVs, constitute the major part of Spectrum's land-based combat section, designed to cope in any emergency. Based on the World Army/Air-Force 'Zeus' combat tank (2064), the SPVs are armed with a single ground-to-air rocket-launcher. These tank-like machines are powered by a removable power pack (with Molecultion batteries (sic) for electricity back-up when the power pack is removed for use as the SPV hover pack for example) for the electrical systems giving the 20 wheeled (as 10 sets of 2 wheels) SPVs 6-wheeled drive (actually 12 wheeled power, from the 6 sets large, twin wheels). SPVs also possess twin sets of caterpillar-tracks, to assist with extra traction in driving over rough terrain, climbing steep surfaces, etc. The SPVs are 25 feet long, weigh approx' 17,920 Lbs (8 Tons) and have a top speed of 200 MPH. Entry/exit of the SPV is via a hydraulic hatch, complete with a single 'bucket' seat, which slides outwards from the side of the vehicle. They are a three seater vehicle (1 at each driving position, and 1 sitting in front of the selector panel between the twin driving seats (episode 10), constructed at a World Government research establishment in Stockholm, Sweden. All Spectrum vehicles use a special form of fuel of which every drop is distilled from the ultra-sonic refinery at Bensheba (for land propulsion) and twin aqua-jets mounted at the SPV's rear (for water travel), with a 500 gallon fuel capacity and 25.7 MPG limit, giving an SPV a range of 12,850 miles without refuelling. The SPVs are made from hardened Fleetonium alloy (with internal 'roll-cage' and bracing) and are silvery-blue in colour. Standard accessories carried by an SPV include twin parachute ejector seats, and removable SPV power pack. The SPV is manouvered by the driver sitting backwards in aircraft type, bucket-seats (facing the rear of the vehicle for safety reasons, watching steering through monitors above the steering bars and controlled by reverse differential, cylindrical hydro-pneumatic steering. With a magnetic-disk, reverse-thrust braking system. The control panel on the left side steering bar allows the raising/lowering of the rear caterpillar tracks, smoke ejection (episode 10), etc, and the control panel on the left side steering bar allows the firing of the SPV rocket (episodes 3, 7, 32). SPV A69 driven by Captain Blue; episode 1. SPV 105 driven by Blue with Captain Scarlet as passenger. Later sighted at London International Airport; episode 2. An un-numbered SPV was driven by Blue with Scarlet as co-driver. Later by Blue alone; episode 3. SPV 0782 driven by Captain Black. Later by the escaping Symphony Angel;

episode 4. SPV 503 driven by Scarlet and Lieutenant Green. Later by Scarlet alone; episode 5. SPV A75 driven by Blue to Glen Garry Castle; episode 7. SPV 104 driven by Scarlet with two Mysteron agents as passengers; episode 10. SPV 428 driven by Scarlet with the Supreme Commander of Earth's Forces, and the Mysteronised Colonel Storm as passengers; episode 13. An un-numbered SPV was driven by Blue with Scarlet as passenger; episode 14 An un-numbered SPV was sighted at the beginning of episode 19 SPV 1034 driven by Scarlet; episode 21. An un-numbered SPV was used in a roadblock against Black; episode 22. SPV 021 driven by Scarlet with Blue as passenger; episode 24. An un-numbered SPV was driven by Scarlet with Blue as passenger; episode 25. An un-numbered SPV was driven by Scarlet with Blue as co-driver; episode 26. An un-numbered SPV was driven by Blue with Scarlet as passenger; episode 28. An un-numbered SPV was driven by Blue with Scarlet as co-driver; episode 29. SPV A75 was seen in flashback recalled by Blue from episode 7. Later a second, un-numbered, SPV was driven by Scarlet; episode 32.

NOTES Though contrary to details given in episode 21, the Scarlet annuals state that SPVs use Hydro-Genical (sic) fuel-injection cells (for land propulsion, a combination of ambient air and the Hydrogenic fuel generates electricty). SPVs must also carry, presumably, a complete set of all coloured helmets, 1 for each Captain or some form of interchangable pack which they move from vehicle to vehicle. For example in episodes 1, 7 and 26 where Blue and Scarlet had a flight helmet ready in the correct colouration each time, with a different SPV.

MAXIMUM SECURITY VEHICLE (MSV)

Hand built by expert coach-builders, it's claimed that these MSVs are virtually indestructible, after exhaustive tests by the World Army/Air-Force under severe battle conditions. Based on WAAF designs (2066), these MSVs are specifically designed as un-armed, high security, personnel carriers, carrying any threatened VIPs in the utmost safety These Maximum Security Vehicles are powered by a transverse, 10-cylinder, rotary diesel-engine (front) and transverse-coupled, 10-cylinder, rotary diesel-engine (rear) powering four sets of twin, Quatro-Trı 'all-terrain', off-road, bullet-proof, self-inflating tyres (as 4 x 2), with power-assisted steering. With hydraulically-clamped link-suspension holding the wheels. The MSVs are 24 feet long, weigh approx' 17,920 Lbs (8 Tons), have a top speed of 200 MPH and a cruise speed of only 15 MPH (sic; see notes). The MSV is a four seater vehicle (two persons as driver and co-driver, with two as VIP passengers), constructed at a unknown location All Spectrum vehicles use a special form of fuel drilled from the ultra-sonic refinery at Bensheba. The MSVs are made from a laminated hull, of hardened, bullet-proof Fleetonium alloy, a layer of impact/fragment suppressor material, a layer of 'honeycomb' radiation-dampening sandwich, an internal layer of steel armour plate, and are silver/grey in colour (with internal 'roll-cage' and brasing). The maximum-security windows are made of special, heat-resistant, anti-radiation, Lead-Quartz. If an MSV is an area which has suffered a nuclear attack, for example, it can then be hermetically sealed from all outside contact. With its own pressurised, air-conditioning/air-filtration system MSVs are also equipped with radiation detectors, an autopilot system and 'gull-wing' doors. An MSV was sighted taking the Mysteronised Captain Brown and World President to the Spectrum Maximum Security Building in New York; episode 1. An MSV escorted the fake Director General of the United Asian Republic to London International Airport; episode 2. An MSV was used in a roadblock against Captain Black; episode 4.

NOTES Contrary to official details given in episode 21 the Scarlet annuals actually state that the MSVs are powered by a 21st Century diesel-fuel equivalent (with Solar-cell energy collection areas for powering the electricals, which also re-charge the batteries used to drive the stand-by engine). The specifications details issued to toymakers in 1967, before the series was broadcast state that the MSVs have a cruising speed of only 15 MPH.

SPECTRUM PASSENGER JETS (SPJ)

These SPJs provide fast, comfortable transport for the members of Spectrum and their equipment. The roomy cabin can quickly and easily be converted from normal seating arrangements to a VIP lounge, a cinema or conference room as readily as a personnel carrier. Based on design refinements of Universal Aero Engineering's 'TVR 24' (2066), the SPJs are armed with air-to-air missile emplacements (episode 30), but are also often escorted by the Angels on dangerous missions, and are powered by twin re-heat excess, air-ramjet, turbo-fan jet-engines, with Vertical Take-Off and Landing (VTOL) systems via retro-thrust Vilta air-brakes These SPJs are 78 feet long, have a 37 foot wide wing-span, weigh 630,427 Lbs (281.44 Tons), have a flight ceiling of 40,000 feet (height of Cloudbase) and a top speed of 1,125 MPH (supersonic, Mach 1 46) The rear-wing assembly can turn through 90 degrees, to a verticle position, to act as an air-brake when landing The SPJs are nine seater vehicles (two persons as pilot and co-pilot, with seven as passengers), constructed at the Universal Aero Engineering Plant at an unknown location. All Spectrum vehicles use a special form of fuel of which every drop is distilled from the Spectrum, ultra-sonic refinery at Bensheba, with a 500 gallon fuel capacity and 40 MPG limit, giving an SPJ a range of 20,000 miles without refueling. The passenger jets are made of hardened Fleetonium alloy and have a hull, the lower half of which is silver in colour with Blue on top seperated by red stripes These passenger jets are also fitted with triple hydrofoils projecting from the wing-stubs allowing landing on water, and autopilot system. Piloted by Captain Scarlet with World President Younger as passenger; episode 1 Piloted by Captain Blue with Scarlet as passenger; episode 2. Piloted by Scarlet and Lieutenant Green, episode 5. Piloted by Blue to Spectrum saloon pick-up point; episode 7. Piloted by Scarlet with Blue as passenger; episode 11. Piloted by Scarlet with Blue and the Supreme Commander of Earth's Forces as passengers; episode 13. Piloted by Blue with Scarlet as passenger; episode 15. Piloted by Scarlet with Blue as Passenger; episode 16 Piloted by Scarlet; episode 20. Piloted by Scarlet with Blue as passenger; episode 21. Piloted by Scarlet with Blue as passenger; episode 24. Piloted by Scarlet; episode 27. Piloted by Scarlet with Blue as passenger; episode 28. An SPJ was sighted at World Airforce, Maxwell Airbase, so presumably had been flown there by Captains Blue or Ochre. Later an SPJ was seen to be piloted by Colonel White with Captain Scarlet as passenger; episode 30

NOTES Contrary to known facts given in episode 21 by Colonel White, the Scarlet annuals state that the SPJs are powered by high-Octane, liquid-gas Petrolene-based aircraft fuel

Captain Magenta

THE ANGELS

The aircraft itself is actually based on the World Army/Air-Force 'Viper' jets of 2065. The Angel's Interceptors are armed with air-to-air and air-to-ground rocket-launchers, as well as a main machine-gun cannon (firing heat seeker and armour-piercing shells, etc). These Vertical Take-Off and Landing (VTOL/Very-Short Take-Off and Landing (VSTOL) jet-fighter combat craft are powered by twin, turbo-jet compressors feeding twin Spectra-Fan air ramjets. The Angel Interceptors are 60 feet long, have a 35 foot wide wing-span, weigh 35,643 Lbs (15.91 Tons), have a flight ceiling of 40,000 feet (height of Cloudbase) and a top speed of 3,000 MPH. They are a single-seater vehicle, with yellow safety belt harness, constructed at International Engineering (main fuselage), the Fairfax Engine Company (for engines; episode 15) and various other locations. The Angel's jets are powered by a special form of fuel from the ultra-sonic refinery at Bensheba, with a 500+ gallons fuel capacity and 51.35 MPG, giving an Interceptor a range of 25,675 miles without refueling, with the electronics powered by back-up batteries. The main body's made from hardened Fleetonium alloy, with a cockpit made from transparent Cahelium extract alloy and are white in colouration. Angel Interceptors also have red smoke signal ejectors (episode 23), high-powered radar (episode 17) and parachute ejector seats (episode 31). The flight helmets for the Angel's Interceptor jets are made of some unknown

Spectrum Passenger Jet

clear material (possibly Cahelium) and are fitted with internal communications gear, with a microphone on the right-side of the face.

NOTES Contrary to information given in episode 21, the Scarlet annuals actually state that the Angels are fueled by Colboltibe liquid-gas fuel.

When changing position around the World, the course co-ordinates are given by whomever is sitting at Lieutenant Green's communications console to the respective Angel, in the form..

"Angels 2 and 3 immediate launch. Your area reference point is C 8 - 2.N. Steer interceptor course 072, Magnetic." given by Lieutenant Green to Angels 1, 2 and 3 in episode 15 "Procede to Grid Reference, G 17 "; given by Lieutenant Green to Destiny in episode 20.

Or when an Angel is speaking to Lieutenant Green, as . . .

"Grid reference, 3 - 79 G" as given by Symphony Angel in episode 31 (this was apparently somewhere over one of Earth's desert areas.)

Angels 1 (Destiny), 2 and 3 (Rhapsody and Harmony); episode 1.

Angels 1 (Destiny), 2 and 3 (Rhapsody and Harmony); episode 2.

Angels 1, 2 and 3 (Symphony and Harmony); episode 3.

Angels 1 (Symphony), 2 and 3; episode 4

Angels 1 (Destiny), 2 and 3 (Rhapsody and Harmony); episode 5.

Angels 1 (Symphony), 2 and 3 (Melody and Harmony); episode 6.

Angel 2 (Melody). Symphony was on duty but as a Magna 'Copter pilot not as an Angel; episode 7.

Angels 1 (Destiny) and another un-named Angel. Melody replaced Destiny as Angel 1; episode 8.

Angel 1 (Rhapsody) and 2 (Symphony) Destiny replaced Rhapsody as Angel 1 at the end of her shift; episode 9.

Angels 1 (Symphony), 2 and 3 (Melody and Harmony); episode 10.

Angels 1 (Destiny), 2 and 3 (Harmony and Melody); episode 13.

Angels 1, 2 and 3 (presumably Melody, Harmony and Rhapsody as Destiny and Symphony Angels were on assignment with Captains Scarlet and Blue); episode 14.

Angels 1 (Melody), 2 and 3 (Harmony and Rhapsody); episode 15.

Angels 1 (Destiny), 2 and 3 (Melody and Harmony). Also the use of Angels 1 (Destiny), 2 and 3 (Rhapsody and Harmony) from episode 1 was recalled by Captain Blue; episode 16.

Angels 1 (Melody), 2 and 3 (Rhapsody and Harmony) Melody and Harmony are seen to be entering Angels 2 and 3 after Angel 1 has left the flight deck, even though it is stated that Melody is Angel 1.; episode 17.

Angels 1 (Rhapsody), 2 and 3 (Symphony and Harmony). Melody was also on duty, but as a helicopter pilot not as an Angel; episode 19.

Angels 1 (Destiny), 2 and 3 (Melody and a third, unnamed Angel); episode 20.

Angels 1 (Melody), 2 and 3; episode 21. Angels 1 (Destiny), 2 and 3 (Harmony and Rhapsody); episode 22.

Angels 1 (Destiny), 2 (Harmony) and 3; episode 23. Angels 1 (Symphony), 2 and 3 (Harmony and Destiny); episode 24

Angels 1 (Destiny), 2 and 3, episode 26.

Angels 1 (Symphony), 2 and 3 (Harmony and Destiny); episode 27.

Angels 1 (Destiny), 2 and 3; episode 28. Angels 1 (Destiny), 2 and 3 (Rhapsody and Symphony). Though Melody and Harmony are seen to be entering Angels 2 and 3.; episode 29.

Angels 1, 2 and 3 (Destiny, Harmony and Melody). These 3 Angels never flew in the Angel jets, but they were in uniform at the 'office party'. Symphony Angel replaced one of the others as Angel 1 at the end of her shift and Destiny was either Angel 2 or 3. Later Melody, Symphony, Harmony and Destiny were all seen in uniform in the lounge, so Rhapsody must have been on stand-by as Angel 1; episode 30.

Angels 1 (Symphony), 2 (Destiny). Rhapsody Angel replaced Symphony as Angel 1 when her Interceptor was lost in the desert, and was killed by Mysteron fire. Destiny replaced Rhapsody as Angel 1 but was not seen in flight. Melody, Harmony and Destiny Angels were in uniform in the amber room when they were killed, but never flew. Scarlet was also seen to fly one of the Angel Interceptors (as Scarlet 1); episode 31.

SPECTRUM HELICOPTER

The Spectrum helicopters were designed primarily for high-speed transportation of personnel over short distances, particularly where rough and difficult terrain is involved, and for reconnaissance duties Based on the World Army/Air-Force 'Rotar' (ROund TAil Rotor) heli-jets (2066), the Spectrum helicopters are armed with a single, mechine gun (episode 1), and are powered by seven, air-feed, mark-II Windenown turbo-engines. The triple rotor-blades (for lift, travelling at 2,000 RPM), plus quad-bladed ring-rotor for tail, are driven by two of these air-inducted turbo-jets. The helicopters are 45 feet long with 19 feet 6 inches wide each rotor-blade, giving a rotor-diameter of 39 feet), a weight of 36,000 Lbs (16.07 Tons). They have a flight ceiling of 40,000 feet (height of Cloudbase) and a top speed of 302 MPH. The Spectrum helicopters are five seater vehicles, constructed at Universal Engineering Incorporated, Sydney, Australia. The helicopters are powered by fuel distilled from the Spectrum refinery at Bensheba, are made from Fleetonium alloy and are Blue and White in colour. The landing legs are fitted with black floatation pods/pontoons for landing on water.

NOTES Though contrary to data given in episode 21, the Scarlet annuals state that the Spectrum helicopters are fueled by Harrison aviation fuel.

A helicopter overflew World President Younger's motorcade and helicopter A42 was Mysteronised in an attempt to kidnap the President; episode 1. A helicopter was used to take the injured Captain scarlet to hospital; episode 13. A helicopter was pilotted by Melody Angel with Captain Grey as passenger; episode 19. A helicopter escorted the Yellow Fox gasolene tanker to the Nash Institute of Technology and then to the airport; episode 20. A helicopter was piloted by Captain Blue with Scarlet as passenger; episode 26.

SPECTRUM SALOON CARS

Also referred to as a Spectrum patrol car and designed especially for the Spectrum organisation (2065), the Spectrum saloon cars are armed with twin rapid fire machine guns (in the front

wheel arches). Infra-red detectors, telescopic scanners, etc. These SSCs are powered by compressed gas turbines driving all four wheels independantly of each other (giving 4 x 4, four-wheeled drive to the poly-silicate racing tyres). The saloons are 20 feet long, weigh 3,248 Lbs (29 Cwt/1.45 Tons) and have a top speed of 150 MPH. The SSC is a five seater vehicle (possibly six, with three in the front and back; episode 15), with yellow seatbelts, constructed at a unknown location (with designs by the World Motor Manufacturers Ltd). Saloons are powered by a special form of fuel distilled from the ultra-sonic refinery at Bensheba, with electro-magnetic, reverse-thrust braking. These saloons are made from hardened Fleetonium alloy (with internal 'roll-cage' and brasing) and are bright red in colour. Spectrum saloon cars also possess ejector seats A saloon was driven by Captain Scarlet, with Captain Brown as passenger; Episode 1. 2 saloons escorted the MSV carrying the fake Director General of the United Asian Republic to London International Airport; episode 2. A saloon was driven by Scarlet; episode 3. A saloon was driven by Blue with Scarlet as passenger The saloon was later driven by Scarlet with Blue as passenger. A second saloon was used in a roadblock against Captain Black, and a third was sighted at the Culver Atomic Center's (sic) main gates; episode 4. saloon driven by Blue from Spectrum passenger jet drop-off point to SPV A75 pick-up point; episode 7. A saloon was used in a roadblock against a fake Mysteron threat towards the 2nd National Bank of New York and a second saloon was driven by Scarlet, with Blue as passenger; episode 11. Saloon driven by Scarlet with Blue as passenger. Later driven by Blue, with Scarlet and Destiny Angel as passengers. Later destroyed by fire from 3 Mysteronised Angel aircraft; episode 15. A saloon was driven by Scarlet; episode 20. A saloon was driven by Blue with Scarlet as passenger. A second saloon was used in a roadblock against Captain Black; episode 22. A saloon was sighted outside a biological research station (presumably driven there by Scarlet or Blue); episode 24. A saloon was sighted outside World President elect Robert's residence (presumably driven there by Scarlet); episode 27. A saloon was sighted outside professor Gabriel A. Carney's House. A second saloon was used in a roadblock against Carney; episode 28

NOTES Information given in episode 21, contradicts 'official' data from the Scarlet annuals, which state that the saloon cars are fueled by ambient compressed gas from the combustion chamber and gas-powered turbines

YELLOW FOX, GASOLENE TANKER

Data from Spectrum files withheld. Because of security reasons, the Spectrum organisation will not release many of the specific details of the Yellow Fox VIP, personal security transporter. Though what is known is that this vehicle, driven by Captain Ochre, is an un-armed, high security vehicle disguised as an Octane, liquid fuel tanker With combined hydraulic 'drawbridge' entrance hatch/ladder at the rear leading into a plush interior. The Yellow-Fox tranporter is powered by a special form of fuel from the Spectrum refinery at Bensheba, driving the 12 wheels (as 4 x 1; front, and 4 x 2; rear). The 'Fox' is an eight seater vehicle (two persons as driver and co-driver, with six as passengers; episode 2), constructed by an un-named firm for the Spectrum organisation. Yellow-Fox is presumably made from bullet/rocket-proof, hardened Fleetonium alloy (with internal 'roll-cage' and brasing). With luxury fixtures and fittings for passenger comfort, such as coffee table, wall vending machines and wine cabinet, etc (episode 2). The tanker is also painted a distinctive bright Yellow colour. Ferried the real Director General of the United Asian Republic and Captain Grey as passengers; episode 2. Yellow Fox was sighted at Base Concord rocket facility; episode 17. Ferried Dr. Kurmitz and Scarlet as passengers; episode 20.

SPECTRUM DETECTOR VANS

Data from Spectrum files withheld Due to security reasons, the Spectrum organisation will not release many of the specific details of the detector Vans, though what is known is that eight of these directional, long-range, geiger counter vans exist (episode 4) Which were used to detect and track the radioactive presence of Captain Black, after his break-in at the Culver Atomic Center (sic). The large spinning 'parabolic reflector' on the roof is used in conjuction with other vans, to triangulate the position of the intended target. These vehicles, also known as radar vans, are powered by a special type of fuel collected by the Spectrum refinery at Bensheba. They are a five seater vehicle (two persons as driver and navigator, with three as passenger/technicians), constructed by an unknown firm for the Spectrum organisation. The vans are presumably made from conventional motor vehicle materials (with internal 'roll-cage' and brasing) and are Blue in colour Captain Grey first picked up signs of the radioactive Captain Black in van 3; episode 4. Vans 3 and 6 were also sighted in episode 22 (This sequence is actually the same shot as was used in episode 4.).

NOTES Information given in episode 21, differs from data given in the official Scarlet annuals by stating that these Detector Vans are powered by Hydro-Genical (sic) fuel-injection cells (a combination of ambient air and the Hydrogenic fuel generates electricty to power the electric motors).

SPECTRUM HOVERCRAFT

Data from Spectrum files withheld. Due to security reasons, Spectrum will not release many of the specific details of the Spectrum hovercraft, though what is known is that these hovercraft are powered by fixed, pre-spin rotors and revolving rotor blades, which act as air-impellors to drive incoming air downwards to the air-cushion outlets to lift the hovercraft off the ground/water. These four seater vehicles, presumably constructed at Spectrum's Koala, cadet-centre and hovercraft base, Australia, utilize a special form of fuel from the Spectrum refinery at Bensheba. The hovercraft are made from conventional sea vehicle materials and are blue and white in colouration. Spectrum hovercraft 4 and 6 were sighted in episode 16.

NOTES Information given in episode 21, differs from that given in the official Scarlet annuals by stating that these hovercraft use Thermionic Converters (sic) (which generate electrical energy by a heat exchanger system used to heat the air-fuel mixture) as a power source.

Other Equipment

SPECTRUM HOVER PACK

Data from Spectrum files withheld. Because of security reasons, the Spectrum organisation will not release many of the specific details of Spectrum hover packs, though what is known is that these hover packs are powered by the electricity generated by the SPV power pack, driving high-speed compressors which in turn supply the Vertical Take-Off and Landing (VTOL) air-jets, with enough vertical-thrust to keep its wearer aloft at least eight hundred feet from the ground (episode 1). The hover packs are made from conventional aircraft materials. The colour-coded flight helmets for these Spectrum hover packs also have internal microphone communications gear (with the microphone on the right-side of the face) Also termed as the power pack, rather than hover pack, by Captain Scarlet (episode 7), whereas the power pack is simply the power source for the hover jets, as these hover jets are not part of the power pack itself, but are added to the power pack as a separate unit. Worn by Blue; episode 1. Worn by Scarlet; episode 7. The use of the Hover pack from episode 1 was seen in flashback recalled by Blue in episode 16 Worn by Scarlet; episode 26. The use of the Hover pack from episode 7 was seen in flashback recalled by Blue in episode 32

AIR SAMPLING DEVICE

This hand-held device is able to sense, measure, analyse, compare and identify air samples for ambient radioactivity, gravity fluctuations, element toxicity, pressure changes, and gas emissions Used by Lieutenant Green; episode 5. Used by Captains Scarlet and Blue; episode 18.

CAP MICROPHONES

The cap mikes are miniature transceiver systems built into the Captains' uniform caps, with drop-down microphones (on the left-side of the face) which allow communications between each Captain, the Captains and Cloudbase and other people The caps are activated by an electrical impulse, triggered by the initial radio carrier-wave, directed from the Control Tower on Cloudbase, which activates the electronics, and operates the microphoone. Another part of the Captain's communications system are their uniform's epaulettes. These are gas-filled 'flash-tubes', which light up with a certain colour, coded to the name-colour of whomever the Captain is in communication with Cap mikes are also able to make security wave-band changes, as given in each Captain's code-book. Colonel White ordered a wave-band change to number 28 in 'Codename Europa'. Scarlet mentioned having to make a wave-band change to number 4, when he was talking to Captain Ochre in the same episode Used in episodes 1-5, 7, 10-15, 17, 19-22, 24, 26-29, 30 (The use of Spectrum issue cap mikes from episode 7 was seen in flashback recalled by Blue in episode 32)

PERSONAL RECEIVERS

Which appear to be simply black sunglasses, but have miniature transcievers built in, which override the use of cap microphones if caps are also worn. For example when Captain Magenta was wearing his receivers but his cap mike was never used when talking to Captain Ochre ('The Heart of New York') Worn by Colonel White; episode 6. Worn by Captain Blue; episode 9. Worn by Captain Magenta; episode 11. Worn by Captain Black, episode 15.

C.38 MYSTERON DETECTORS

These detectors, like large, red, 'polaroid-cameras' produce X-Ray photographs of normal humans, but normal photographs of X-Ray impervious

Spectrum Hovercraft

Mysteron agents. They also work in total darkness. First demonstrated; episode 9. Worn but un-used by Blue, but used by Captain Ochre at a Spectrum road block; episode 11. The first was used by Captain Grey, the second by Blue; episode 19. Worn by Ochre outside World President elect, Roberts residence; episode 27.

SPECTRUM ISSUE SPACESUITS

These bulky pressure-suits, with colour-coded trim, were worn by Captains Scarlet, Blue and Lieutenant Green when entering the Mysterons' newly constructed complex in moon crater 101, episode 18. Captains Scarlet, Blue and Lieutenant Green were also seen wearing Spectrum issue spacesuits, when a sequence from episode 18 was seen in flashback recalled by Captain Blue in episode 32.

SPECTRUM ISSUE PERSONAL RESPIRATORS

Worn over the nose, mouth and chin and held on by elasticated straps over the ears, this face-mask, of a clear-material, is connected to an Oxygen container or Oxygen diffusing device worn on the belt. The respirators have communicators built in, which override the use of cap microphones if caps are also worn. For example when Captain Scarlet was wearing his Respirator but his cap mike was never used when talking to Colonel White. Neither was Lieutenant Green's when talking to Scarlet whilst wearing his cap. Worn by Captain Scarlet and Lieutenant Green, episode 5. Worn by Captain Ochre when he throws the Mysteron 'Pulsator' out of Cloudbase' window; episode 20.

SPECTRUM ISSUE BINOCULARS

Worn by Scarlet and Blue; episode 7. Worn by Scarlet, Blue and Colonel White; episode 9. Worn by Captain Black; episodes 17, 21-24, 27, 29. Captain Blue wearing Spectrum issue binoculars from episode 7 was seen in flashback recalled by Blue in episode 32.

Spectrum Issue Armaments

SPECTRUM ISSUE HANDGUNS

Spectrum forces (Captains, Intelligence agents and security staff, etc), are all equipped with single shot, 14 round, colour coded pistols, as standard. Episodes 1, 4-9, 11, 15, (The use of Spectrum issue handguns from episode 1 were seen in flashback recalled by Blue in episode 16), 17, 19, 20, 23, 24, 26 (Used by Black), 28, (The use of Spectrum issue handguns from episode 7 was seen in flashback recalled by Blue in episode 32).

Cases of use by none Cloudbase Personnel: Used by the Delta petrol station mechanic (SPV 0782 attendant), episode 4. Used by a Spectrum Security Vaults night security guard; episode 11. Used by Space Major Reeves to shoot a member of Rocket Base Concord; episode 17.

MYSTERON GUNS

Mysteron guns were developed by the Spectrum Intelligence Agency as a weapon against the Mysteron's once-human agents. Information taken from a quote by Dr. Giardello. "A beam of electrons are produced by the electrodes. These are concentrated by the prisms and projected at the speed of light along the reflective barrel. We anticipate (a range of) something like 50 yards." These Mysteron guns are red and silver, have a large body, composed of twin parrallel cylinders, a long barrel, and are held by a bar grip against the wearer's chest, supported by a harness worn over the shoulders; First demonstrated: episode 9.

SPECTRUM ISSUE SPACESUIT HANDGUNS

Much like the normal Spectrum issue handguns, in that these devices also fire ammunition-shells and not a projected beam of energy. This pistol device is colour-coded for each Captain, and held in a colour-coded hip-holster on the right side of the colour-coded Spectrum issue spacesuit. As worn by Captains Scarlet, Blue and Lieutenant Green, episode 18. The use of Spectrum issue spacesuit handguns from episode 18 were seen in flashback recalled by Captain Blue in episode 32.

Chronology of the Captain Scarlet Universe

1901: At this approximate date the Mysteron race moves on from Mars leaving behind their self motivated computer complex.

1987 - 1989: Third World War occurs.

1989: World Army, World Air-Force and World Navy are established after World War III by the United Nations, as the ultimate peace keeping forces. Various members of Spectrum have served in these groups.

10/04.1995, Monday. World Intelligence Network is formed by the merging of Britain's MI5, USA's CIA and Russia's KGB, etc.

1997: World Intelligence Network becomes operational.

2001: The Solar System Exploration Centre is established at Glenn Field, USA. The area will become known as Glenn Field Space Port (referred to in 'The Mysterons').

2007: First World President, Nikita Bandranaik, born; date unspecified.

2009: United Nations form the Space Patrol.

2010: State of Berezník begins to come together due to the continuing political struggles in central Europe, started in the 1990s with the break-up of Yugoslavia.

2011: United Nations form the Interplanetary Communications Group.

14/07/2017, Friday: Charles Gray (Colonel White) born in London, England.

2018: Third World President, Roberts, born; date unspecified.

2026: Second World President, T. J. Younger, born; date unspecified.

08/04/2028, Tuesday: The 'great' atomic war of Europe begins, due to an accidental breakdown of communications between countries. Only tactical nuclear weapons were used, and it lasted 6 years, from 2028 to 2034. The state of Berezník was carved out of civil-war torn central Europe (covering the areas of eastern Germany (which was united in 1990), parts of Yugoslavia (which was split by war in 1991, with Boznia-Herzegovina and Serbia at odds with each other), Czechoslovakia (which was split by break up of USSR in the early 1990s into the Czech Republic and Slovenia), the Ukraine and Poland, though Russia was not involved). Britain becomes a military dictatorship.

17/03/2029, Saturday: Conrad Turner (Captain Black) born Manchester, England.

October 2029: Conrad Turner (age 7 months) becomes an orphan in the care of a distant

relative, after the death of both parents, killed in the European War of 2028 - 2034

2030: Interplanetary Communications Group becomes the Universal Secret Service.

10/07/2031, Thursday: Edward Wilkie (Doctor Fawn) born Yalumba, Australia.

04/03/2033, Friday: Bradley Holden (Captain Grey) born Chicago, Illinois, USA.

2034: Charles Gray spends time at King's College Canterbury, Kent.

1/2/2034, Wednesday: The atomic war of Europe ends when a european peace treaty is signed.

17/05/2034, Wednesday: Patrick Donaghue (Captain Magenta) born Dublin, Republic of Ireland.

23/02/2035, Friday: Richard Fraser (Captain Ochre) born Detroit, Michigan, USA.

26/08/2035, Sunday: Adam Svenson (Captain Blue) born Boston, Massachusetts, USA.

17/12/2036, Wednesday: Paul Metcalfe (Captain Scarlet) born Winchester, Hampshire.

2037: Parents of Patrick Donaghue (age 3) emigrate to the Chelsea district of Manhatten Island, New York State, USA.

2038: Charles Gray (age 21) graduates Norwich University, Norfolk, England and enlists in the British Navy.

2040: Charles Gray, as a member of the British Navy, is involved in south east Asia.

23/08/2040, Thursday: Juliette Pontoin (Destiny Angel) born Paris, France.

18/01/2041, Saturday: Seymour Griffiths (Lieutenant Green) born Port of Spain, Trinidad, West Indies.

Early 2042: Charles Gray, as a member of the British Navy, is involved in the Icelandic dispute.

Late 2042 - 2043: Charles Gray, as a member of the British Navy, is involved in the Panama-Isthmus rebellion.

06/01/2042, Monday: Karen Wainwright (Symphony Angel) born Cedar Rapids, Iowa, USA.

19/06/2042, Thursday: Chan Kwan (Harmony Angel) born Tokyo, old Edo Province, Honshu Island, Japan

10/01/2043, Saturday: Magnolia Jones (Melody Angel) born Atlanta, Georgia, USA.

27/04/2043, Monday: Dianne Simms (Rhapsody Angel) born Chelsea, London

June 2044: Conrad Turner (age 15) enters Manchester Technical Academy.

September 2045: Conrad Turner graduates from Manchester Technical Academy and enrols in Manchester's Northern University.

23/6/2045, Friday: World Government is formed as a result of the atomic war of Europe, the war lasts 6 years; 2028 - 2034, but Bereznik, Porto Guava, Tong Vietken, the United Asiatic Republic and Britain decide not to join. The World Security Patrol is also formed with the World Space Patrol, World Navy, World Army, World Air-Force, and Universal Secret Service. First World President Nikita Bandranaik, takes office, 2045 - 2066, in which he serves 3 terms of 7 years each. The Space Patrol becomes the World Space Patrol, and the World Intelligence Network joins the Universal Secret Service.

2046: Charles Gray (age 29) is promoted to Captain in British Navy.

December 2046: British civil war erupts

January 2047. British civil war ends and Britain joins World Government.

Mid' 2047: Conrad Turner (age 18) enters British Air-Force

Late 2047: Charles Gray (age 30) announces his 'retirement' from active military service, and joins up with Universal Secret Service

Winter 2047: Conrad Turner wins recognition from World Government for his bravery (after taking a sabotaged bomber aircraft up from an airbase' runway, intended to destroy the base).

2048: Edward Wilkie (age 17) enters Brisbane University, Queensland, Australia. Charles Gray gets married in this year.

Late 2048: Conrad Turner recovers from wounds he received in an aircraft explosion and leaves hospital.

2049: Charles Gray is promoted to the organisation and control section of Universal Secret Service

2050: Charles Gray (age 33) is appointed chief of the British section of Universal Secret Service, in charge of their London, World Intelligence Network, section.

2051: Richard Fraser (age 16) learns to fly and gains his pilot's license. Adam Svenson (age 16) wins a scholarship to Harvard University, Cambridge, Massachusetts, USA.

2051 - 2053: Sometime between these years Charles Gray becomes a widower.

2052: Patrick Donaghue (aged 18) becomes involved in the anti-Bereznik riots in the US. The World Army/Air-Force is founded, merging the two previously separate forces.

2053: Both parents of Seymour Griffiths (aged 12) are killed in an air disaster. Richard Fraser (age 18) leaves high school, but fails to gain the necessary grades to enter university or the World Army/Air-Force. Bradley Holden (age 21) graduates from the World Navy Academy in San Diego, California, and enlists in the World Navy Submarine Service, being stationed in Sydney, Australia.

2054. Conrad Turner (age 25) is made Captain of Fireball XL-3. Richard Fraser joins the World Government Police Corps (Detroit division), and begins basic training.

2055. Patrick Donaghue (age 22) graduates from Yale University, New Haven, Connecticut, New England, USA. Edward Wilkie (age 24) graduates from university, and enters the World Medical Organisation as Assistant Medical Controller of the Australian sector.

Early 2055: Adam Svenson (age 20) enrols in the World Aeronatic Society.

2057: Paul Metcalfe (age 21) graduates from Winchester University, Hampshire, England. Patrick Donaghue becomes crimelord of New York State. Juliette Pontoin joins Rome University, Italy. Edward Wilkie begins to develop his 'robot' doctors. Conrad Turner is promoted to the rank of Colonel by the World Space Patrol. Richard Fraser finishes basic training with the World Government Police Corps

2057 - 2064: The World Medical Organisation makes Edward Wilkie Administrator for the Advancement of Medicine, he also gets married sometime between these years. Also between these years Adam Svenson is transferred to the United States Security Department of the World Aeronautic Society.

2058. Magnolia Jones (age 15) leaves School to take up professional motor racing.

Early 2058: Karen Wainwright (age 16) graduates to Yale University, New Haven, Connecticut, New England, USA.

10/07/2058, Wednesday. Linda Nolan, later to become the controller of Lunarville 6, is the project controller on the first Neptune probe, launched from Earth's Moon. As shown on a charm pendant given to Captain Scarlet by Linda Nolan in 'Crator 101', the inscription read 'To Linda Nolan, the CB.29 Neptune probe. July 10th 2058, we made it ahead of schedule'.

2059. Richard Fraser transfers from Detroit division to Chicago area division of World Government Police Corps.

2059 - 2063: Paul Metcalfe enlists at the United States Military Academy, at West Point, New York State, USA.

Late 2059. Karen Wainwright joins the Universal Secret Service. Juliette Pontoin joins the Intelligence Corps of the World Army/Air-Force. Chan Kwan (age 17) leaves finishing school in England and moves back to Japan, where she enrols in Tokyo University

2061. Magnolia Jones (age 18) joins the World Army/Air-Force.

2062. Dianne Simms (age 19) is at London University, England, and Chan Kwan graduates from Tokyo University (age 20).

2062 - Early 2064 Chan Kwan spends time with Tokyo Flying Club

Early 2062: World Aquanaut Security Patrol is founded as a separate force from the World Navy within World Security Patrol, and Seymour Griffiths enrols as a junior hydrophones operator in their submarine corps. Bradley Holden is transferred to the newly founded World Aquanaut Security Patrol as chief of security, from World Navy Submarine Service, with a promotion to Lieutenant Commander.

Mid 2062 - Late 2064: Bradley Holden is put in charge of the prototype submarine which would later become Stingray.

Late 2062: Magnolia Jones becomes stranded on an island in the south seas

Early 2063: Dianne Simms meets Lady Penelope Creighton-Ward (aged 63) and joins up with the Federal Agents Bureau.

Late 2063: Magnolia Jones returns to civilization after scratch building herself a new plane from

the wreckage of the original.

2064: Construction of the Spectrum SPVs begins, based on World Army/Air-Force 'Zeus' combat-tank

Early 2064: Chan Kwan buys herself a small airplane for her single-handed trip around the world.

Late 2064: Bradley Holden receives a back injury, forcing him to leave active service in command of the Stingray prototype for a desk-job. Paul Metcalfe enlists in World Army/Air-Force. Juliette Pontoin leaves World Army/Air-Force to form her own firm of flying contrators.

02/03/2064, Friday: Chan Kwan (age 22) sets off on her first attempt at her one woman flight around the World

04/03/2064, Sunday: Thirty six hours after starting her flight, Chan Kwan, saves three men from blazing oil tanker

Early September 2064 Chan Kwan completes her second attempt to single-handedly fly around the world.

Late September 2064. Chan Kwan's father dies, leaving her ownership of the family business, Peking Air-Taxi Corps

2065: The Federal Agents Bureau is forced to close, and Dianne Simms joins the Euro-Charter Airline Company as chief security officer Construction of the Spectrum Angel Interceptors begins, based on World Army/Air-Force 'Viper' fighter jets Construction of Spectrum saloon cars begins, based on World Motor Manufacturers Limited designs

January 2065 The Spectrum organisation is finally put down on paper, conceived as a force to take 'pressure' off Earth's other peace keeping organisations. Though presumably the World Government had been considering Spectrum for some time as the SPVs were under construction from 2064

Early 2065: Paul Metcalfe promoted to the rank of Colonel in World Army/Air-Force.

March 2065: A campaign is started by the World Government to put together a team of technically minded people from various world services for a special, secret project.

May 2065 From a list of over 1000 individuals 300 are chosen to construct the 50 prefabricated sections of Cloudbase in a secret location in Stockholm, Sweden. These pieces where then sent for final assembly in outer space

June 2065: Construction of Cloudbase eventually begins.

28/09/2065, Monday: Spectrum's selection committee begin to put together a list of the most favourable candidates to form the personnel of the Spectrum organisation, and start to make contact with these chosen individuals. 593 (sic) were finally chosen, including Paul Metcalfe, Conrad Turner, Charles Gray, Adam Svenson, Seymour Griffiths, Bradley Holden, Patrick Donaghue, Juliette Pontoin, Magnolia Jones and Edward Wilkie

2066: Construction of Spectrum MSVs begins, based on World Army/Air-Force designs Construction of Spectrum helicopters begins, based on World Army/Air-Force 'Rotar' (ROund TAil Rotor) heli-jet. Construction of Spectrum SPJs begins, based on Universal Aero Engineering's 'TVR 24', passenger jet

Mid' 2066: Chan Kwan joins Spectrum.

Late 2066: Dianne Simms joins Spectrum.

19/06/2066, Saturday: 6.00a.m. and Richard Fraser (age 31) undergoes a false assassination in order to fake his death, code-named 'Operation Jigsaw', allowing him to join the Spectrum organisation with a clear record

19/07/2066, Monday: Richard Fraser, joins the Spectrum organisation

2067 - Early 2069: Second World President, Younger, in office Also Supreme Headquarters Earth Forces created by World Government to overview control of all of Earth's other security organisations

Early 2067: Karen Wainwright leaves the Universal Secret Service.

Mid 2067: Karen Wainwright joins Spectrum

07/07/2067, Thursday: Spectrum's inaugural charter is drawn up ('Flight to Atlantica')

10/07/2067, Sunday: Second World President, T. J. Younger, signs Spectrum's inaugural charter ('Flight to Atlantica')

February 2068: The Mysteronisation of Conrad Turner (Captain Black; age 38), on Mars. The death and Mysteronisation of Captain Brown, and the death, Mysteronisation and return to normality of Paul Metcalfe (Captain Scarlet, age 31), and the start of the Earth - Mysteron war. World President Younger is nearly assassinated by the Mysteronised Captain Brown. The events shown in 'The Mysterons' occur.

14/03/2068, Wednesday The events shown in 'Operation Time' occur

07/07/2068, Saturday - 10/07/2068, Tuesday: The events shown in 'Flight to Atlantica' occur

09/07/2068, Monday - 10/07/2068, Tuesday: The events shown in 'Treble Cross' occur

10/07/2068, Tuesday: The events shown in 'Winged Assassin' occur. This date is given in both 'Treble Cross' (production order 29) and 'Flight to Atlantica' (production order 30), so obviously these two episodes were meant to directly follow each other. But using 10 July as the date for episode 2 is impossible as episodes 3 to 21 (viewing order) were all seen between 'Winged Assassin' and 'Treble Cross', which would therefore infer that six months have passed between episodes 1 and 2, and that all the episodes from 2 to 29 occured in the same day. So the date given by Spectrum agent 042 in episode 2 is obviously a continuity error

2069: Third World President, Roberts, in office.

NOTES

Many ideas (such as those given in TV Century 21) showed storylines, set years after the last date given in the series itself, which illustrated events such as the ending of the 'war of nerves'. As any such information given in TV21 is not 'official' it can be taken as false or with 'a pinch of salt'. One such 'un-official' date from the TV21 Diary is that of .

09/11/2077, Tuesday: After many years of a bitter 'war of nerves' between Earth's forces and the Mysterons from Mars, a universal peace armistice was signed, at a conference held in Unity City, Bermuda. With World President Roberts and Captain Black present

WITH THANKS TO . . .

Lynn Simpson (for her time, patience, mountains of reference and inspiration.) Keith Ansell (for his chronology.) Martin Hutchinson (for his help with the voices.), and all three for their help and hints.

REFERENCE SOURCES.

Keith Ansell's 'All Series Gerry Anderson Chronology'. Century 21, issues 2, 5. Captain Scarlet Sticker Album (given away free with TV Century 21, issue 155, dated 6/1/2068)). Captain Scarlet annuals for 1967 and 1968 and the combined Captain Scarlet and Thunderbirds annual 1969. Time-Screen (issue 3, revised). The Definitive FAB Episode Guide (from Fanderson, FAB issues 8-11). TV 21 Diary. ATV Music Limited.

Stanley Unwin was born in Pretoria, South Africa on June 7th 1911. When he was 3, his widowed mother brought him, his brother and his 2 sisters back to Britain where they settled. Sadly his brother died in 1916 of appendicitis after eating wild berries with Stanley. He was evacuated from the capital and was boarded out at homes in Essex and ended up in Congleton, Cheshire.

When he was about 8 or 9 he became fascinated with wireless (as radio was called then) and he built himself a crystal set in a cigar box, sold it at a profit and built a better one.

He went to Nautical Training school in Penarth for two years and gained a First Class GPO Wireless Operators Certificate. The sea called and young Stanley took a deck hand job on a ship and had three voyages. He then joined a wireless firm in London but was sacked for accidentally blowing up the boss. After that he joined a wireless business in the East End of London, he was poached by a customer and made echo-sounding gear for three years. Plessey's in Ilford were his next employers and Stanley designed and built electronic test gear. In fact the gear was for testing the Allied bombers' communication for their missions over Germany. (For the technically minded – the 1083 Transmitters and TR9 Receivers)

In March 1940, he joined the BBC where for 4 years he worked maintaining transmitters. He was invited to join the War Reporting Unit in 1944 with the honorary rank of Captain, and he travelled extensively around Europe covering the events at the end of the second World War. Returning to England in 1946 he was sent to cover the Paris Peace Conference for three months.

His next assignment was a mobile engineer's job based in the Midlands doing a variety of programmes - notably 'Down Your Way'. He managed to visit his homeland a year later whilst covering the 1947 Royal Tour of South Africa. He actually managed to find the street where his family used to live but the house was gone - all that remained were two tree stumps which had marked the entrance to the driveway. Another of his assignments was the

Yours truly
Stanley Unwin

SPOTLIGHT on Stanley Unwin
Martin Hutchinson

Royal Tour of Kenya in 1952 which was tragically shortened by the death of King George VI.

From an early age Stanley had been interested in foreign languages after hearing them on his radios so he studied them – and English(!) at night school. The famous 'Unwinese' had its early origins when he worked in a shop and tried to imitate the sounds of the languages he had heard much to the amusement of the customers. It was telling bedtime stories to his children that brought it out however. They had grown bored with the same old stories. Stanley decided to inject a little novelty and started with 'Goldilloppers'. A BBC producer named Peter Cairns heard this and wanted to be the first to put it 'on the air'. A BBC Public Relations Officer in Birmingham coined the phrase 'Unwinese' which Stanley prefers to 'gobble-de-gook' or 'double talk' as the Americans sometimes call it.

His first broadcast was in 1948 but he couldn't take it up full-time (despite the offers) as all his children were young and he didn't want to risk entering a profession which was (and still is) at best uncertain. He finally took the plunge to be a full time entertainer in 1960, his wife Frances wasn't too keen at first having read of the trend of show-biz marriages to be short lived (Happily in this case the fear was unfounded)

'Fun at St. Fanny's was Stanley's first film starring his friend Cardew 'The Cad' Robinson. Other films followed including some 'Carry on' films, 'Press for Time' starring Norman Wisdom, 'Further Up the Creek' and more famously 'Chitty Chitty Bang Bang'.

In 1969, he toured the Middle East and was introduced to an up and coming young comedian who immediately launched into an excellent impression of Stanley, his name – Freddie Starr (Stanley is to appear in Freddie's second TV special of 1993.

After 'Chitty Chitty Bang Bang' came 'The Secret Service' where he became the only person in a Gerry Anderson production to supply his own voice! During the filming he got to drive 'Gabriel' the Model T Ford and it was a genuine Model T. The only modifications were that a self starter had been fitted and the original oil lighting had been replaced by electric.

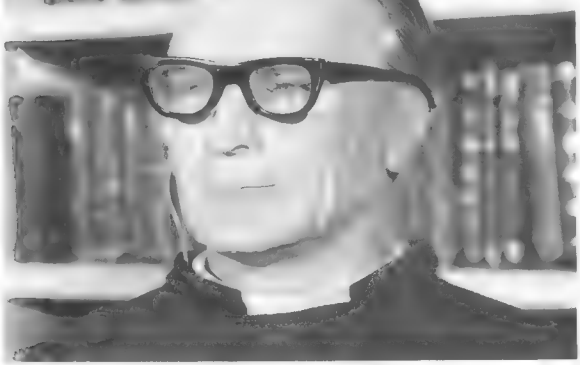
Always in demand for voice-overs and after dinner speaking, Stanley has also turned his hand to writing. The 60's produced the books 'Miscillian Manuscript', 'House and Garbidge' and 'Rock a Bye Babel'. In 1984 Caedmon of Whitby published Stanley's autobiography 'Deep Joy' (which has been a major source of information for this article) and they have also published 'Fairly Stories' which is a book of traditional fairy stories written in Unwinese.

These days Stanley only makes selective TV appearances. 1993 has already seen him on BBC1's 'Parallel 9' as Father Unwin – August 1993 on 'The Freddie Starr show' and he will feature in 'The Big Break Christmas Panto' on BBC1. At the time of writing (July 1993) he is working on a show for ssc Radio 2, with Chas and Dave.

A gentle friendly man, he has a positive and humourous outlook on life and has no intention of retiring as long as he goes on making people laugh.

A prime example of how Stanley Unwin looks on the bright side of life is the fact that whilst writing his autobiography he totally neglected to mention that once while experimenting he made a mistake and blew off some fingers – in his own words, "I just didn't think about the lost fingers when doing the book. One accepts these life interruptions and is unaware of the loss most of the time."

My thanks to Stanley Unwin for his kind and patient help in preparing this short look at his varied and interesting life.



Father Unwin

SAIL BY FOR ACTION

MAKE WAVES AT THE BOATING POND WITH YOUR FAVOURITE ANDERSON SUBMARINE

by Iain Murray

The completed model

Stingray, being made of 'modern ultra-light materials', and in common with other Anderson submarines, has very little of its hull beneath the water when surfaced; for a sailing model, this means that it would have to be very light to retain a realistic level in the water. However, the combined weight of radio control gear, motor and batteries is impractically large unless the model is exceptionally big. Consequently, to build a sailing model, I developed the idea of placing all the mechanics in a separate hull, to which the main model would be attached. This 'torpedo hull' is essentially just a housing for a standard radio control system, and should be easy to fabricate for anyone with some modelling experience; all mechanical parts should be available from a good model shop. Any model can then be attached to the top – I've used a couple of commercial kits to avoid scratch building the models'

The Torpedo Hull

The torpedo hull is made from a section of 3" plastic drainpipe. The main (forward) section of the pipe has a carved wooden dome glued into the front, and the shorter (rear) section has a carved wooden cone glued in, through which a model boat propeller shaft is fitted. A long plywood deck is attached to the rear section, and all of the components of the radio system and battery packs are attached to this deck in a suitable way – on top if possible, or a hole may need to be cut into the deck itself. For sailing, the deck is inserted into the forward section, and slid along until the pipe sections meet. The forward end of the rear section has a 'spigot' inserted into it; this is a short (2"), slightly smaller section of drainpipe (cut out a sliver from a short length of offcut pipe), to make a tight, structurally strong joint between the hull sections – with a length of insulating tape round the joint, it is quite waterproof too. It is best to lay out the motor and radio equipment in a suitable way, trim the deck as short as possible, and then cut the drainpipe to suit; the layout of equipment used in the prototype is shown in the diagram. The motor is connected to the propeller shaft via a suitable coupling. The rudder is made from soldered brass, held in place by a rigid framework of soldered brass piping, and is connected to the rudder servo by a long push rod passing through an off-centre hole drilled through the tail cone – this hole should be lined with a length of brass piping, over which a rubber bellows is fitted on the outside to waterproof the push rod movement. Two horizontal hydroplanes are glued to the side of the tail cone to keep the model level when sailing (otherwise the low propeller gives the sub a tendency to sail nose-high). Finally, two long bolts were attached to the top of the forward length of tube, to which a thick plasticard cross-member was fixed in order to attach the model.

Even with all the gear crammed into this small space, there will still be a lot of air in the tube, and ballast must be added to weigh the torpedo down (it should be just heavier than water to make it sink – the torpedo literally hangs from the floating model). Lead sheet (about 1kg will be needed) can be laid along the inside of the tube (or attached beneath the tube if you don't have enough space) - you should be able to get this for £1 or so from a scrap metal dealer.

The Stingray Model

I used the 12" (72nd scale) Stingray vac-form kit from Comet Miniatures; I believe this is no longer made, but you may still be able to buy one. If not, the Japanese Stingray kit currently available in High Street shops is a suitable (though less realistic) substitute if you do not want to scratch build your own model.

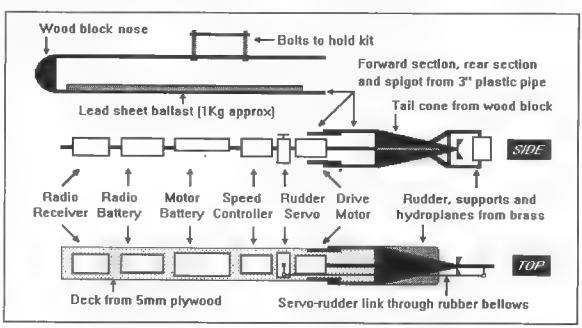
The kit was mostly built to the maker's instructions, though all joints were made very strong to cope with some rough handling on the high seas. The white metal fins and rear hydroplanes in particular were glued in with copious quantities of Araldite, and joints filled and sealed with Milliput. To save weight, I did not fit the white metal bottom skids (the recesses were filled with Milliput) or the fins on the cabin; substitutes cut from thick plasticard were used. The main deviation from the maker's instructions was the fitting of a motor and shaft to rotate the Ratemaster. A motor from an old personal stereo was used (very low current) with worm gearing from an old toy car (to give low rotation speed). The motor was glued beneath the top of the Stingray hull (forward of the cockpit for space) and the brass propeller shaft ran back to the Ratemaster. A bracing member was Araldited across the forward opening of the clear Ratemaster moulding, and by heating the end of the shaft, it was sunk slightly into the rear of the moulding for added strength.

The electrical connection to the motor was made to the two bolts in the bottom of the Stingray. These connect to the bolts on top of the torpedo hull, which in turn are connected to the output of the speed controller. This means that the speed of the Ratemaster varies with the speed of the main (real!) propeller.

With the mechanical and electrical connections to the motor in place, the Stingray hull can be sealed to be completely waterproof (this means the motor should be maintenance free) and construction completed. For easier painting round the Ratemaster, it should be left off at this stage; the rear crossbar can be cut off in order to fit the Ratemaster later, then the crossbar can be refitted and repainted. Painting is according to the maker's instructions, but remember to varnish over the waterslide decals or they'll disappear when the model is sailed.

Other Ideas

With the torpedo hull finished, new sailing models are as easy as building the kits themselves – I have a Thunderbird 4 too, and SkyDiver is my next project. How about an Ocean Pioneer to be rescued, or a menacing Terror Fish to tow along behind Stingray?



The Torpedo Hull Layout

THUNDERBIRD 6, Tiger Moth G-ANFM, has a real history and is still flying today.

Colin Shinkin reports.

According to the story of 'Thunderbird 6' Alan Tracy wants to arrive in England in an unconventional way for the launch of Skyship 1. Jeff Tracy arranges the purchase of a de Havilland Tiger Moth – G-ANFM – and Alan carries out a striking new paint scheme. Later, Gordon realises its rescue potential as compared to their other, heavier, machines. Jeff agrees saying (it is) 'light, (has) low airspeed, high manouverability, short landing distance...'

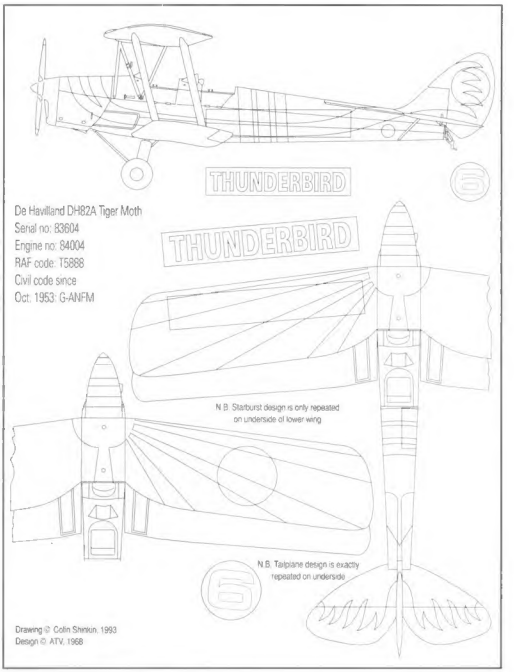
HISTORY OF THE TIGER MOTH

The Tiger Moth was designed in 1931 at de Havilland's airfield in Edgware, North London, to meet a new specification for an RAF trainer based on the Gypsy Moth. Its chief designer, A. T. Hagg assisted by engineers F. T. Hearle and F. C. Plumb, originated the new aeroplane completely without drawings. The airframe was constructed of welded steel and wood with coverings of fabric and aluminium. Production began at the de Havilland factory in Hatfield and, in 1941, moved to Morris Motors at Cowley. Apart from its use by the RAF and Fleet Air Arm it was very popular with flying clubs in the '30s. After criticism that the Moth had a tendency to go into flat spins large anti-spin strakes were fitted forward of the tailplane in 1942 and retrofitted to others from then onwards.

CAREER OF G-ANFM

G-ANFM was built at Hatfield during 1940, a DH82A model (RAF Tiger Moth Mark 2), serial no 83604, with a Gypsy Major engine number 84004. It was allocated to RAF ordnance unit 39 MU Colerne, Northern Ireland, on July 29th 1940 as RAF code no. T5888 and first issued to training school 22 EFTS Cambridge on the 7th December 1940. After moving to several units around the United Kingdom it was eventually offered for sale as Lot 69 from 9 MU RAF Cosford on August 8th 1953. Subsequently sold to the Association of British Aero Clubs in October 1953 it has had six owners since then and was first registered as GANFM to Norfolk and Norwich Aero Club.

The Reading Flying Group purchased FM in September 1966 and granted its use in 'Thunderbird 6' during 1968. Since 1969 FM has been owned by a new Reading Flying Group of twelve members based in Oxfordshire. Its film career continued through the '70s appearing in 'The Little Prince', 1974, directed by Stanley Donen; 'Emily' (a.k.a. 'The Awakening of Emily'), 1977; and 'Agatha', 1978. During 1979 the aircraft was placed seventh in the Famous Grouse Rally – Hatfield to Strathallan. After a flying accident in Abbeville, France during the late summer of 1992 FM has undergone major repairs, but is now fully airworthy. FM is a regular member of the de Havilland Moth Club's Diamond Nine formation team and in April 1993 The Independent newspaper featured a photograph, which was taken from the front cockpit of FM, of the team flying over Middle Wallop in Hampshire. The present colour scheme is yellow/silver.



MODEL MAKING

Several model kits are available of the Tiger Moth. SMER produce a 1/72 kit that requires the removal of its transfer positioning markings and the addition of the anti-roll strakes. The best kit is Matchbox's 1/32 as featured in the 'Its Thunderbirds Century Perfect Modelling Manual'. To help you to produce an accurate model of Thunderbird 6 I have drawn up plans from the film footage based on some original de Havilland plans but with bias towards the actual, full size, aircraft. These new plans allow for the small inconsistencies between the film models. Several models were produced for the film – one large scale model with a motor driven propeller for close ups (made by Wag Evans at Space Models) and perhaps two or more remote controlled ones made by Century 21's own model makers. The main visible differences between these models are:

- The undercarriage lengthened and an extra 'axle', not a standard fitting on Tiger Moths, added probably to allow Parker to perch more comfortably!
- Position of the rear view mirror is 'incorrect' on some models.
- Centre section strut bolt fairings not included on all models.
- Venturi pipes yellow on actual plane, black on models.
- Red propeller tip colour missed out on some models.
- Wing footwalks missing on one model used in motorway scenes.
- Slight differences in striping shapes and paint detailing on the models compared with the actual.

COLOUR SCHEME FOR THUNDERBIRD 6

The overall colour is Trainer Yellow with red (suggest Traffic Red – as per TB4) and black for the striping. All paints matt. The propeller is yellow with red tips and an aluminium spinner. The triple fuselage bands just to the rear of the cockpit are dark purple with black keylines. Use RAF grey/green for the cockpit interiors. The 'identification spots' on either side of the rear fuselage are light blue with black outline. Wing footwalks are black. The four main interplane wing struts are red with all remaining struts, including the undercarriage, bright metal. The undercarriage compression springs should be black with wheel hub covers bright metal. Pitot tube and tailskid black. The typeface for the Thunderbird lettering is Grotesque 9 and Eurostile Bold Extended (or Microgramma Bold Extended) for the numerals, all lettering black. Use some white decal sheet available from model shops for the lettering backgrounds.

An excellent publication to buy if you want to study the Tiger Moth in more detail is 'Tiger Moth, Aeroguide Classics Number 6' published by Linewrights. A photograph of FM in the Thunderbird paint scheme appeared in the 1982 edition of Airlife Publications 'The Tiger Moth Story', by Bramson and Birch.

Thanks to:
J. Hassard Short of the original Reading Flying Group – Arthur Brook, Len Mitton of the new Reading Flying Group – Stuart McKay of the de Havilland Moth Club, Berkhamsted – Wag Evans of Space Models, Andover – The Tiger Club, Headcorn Aerodrome, Ashford – Hendon Royal Air Force Museum, London – Hannants Model Shop, Colindale, London – British Aerospace. The Civil Aviation Authority – British Film Institute.

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A stunning collection of over 60 models featuring work from Thunderbirds, Stingray, Dr Who and other T.V. favourites.

The models were made over a period of 20 years by **MARTIN BOWER** who worked on SPACE 1999 and TERRAHAWKS. With the re-screening of THUNDERBIRDS a companion photo-comic was published. STINGRAY will be shown on National T.V. at Christmas and will also appear in magazine form. Bower created the models for both magazines.

BOWER'S unlimited imagination has taken him to the top. It brought him work both in T.V. and film including BLAKE'S 7, DR WHO, ALIEN and FLASH GORDON. The Warrington show will feature these productions, especially DR. WHO celebrating his 30th Anniversary.

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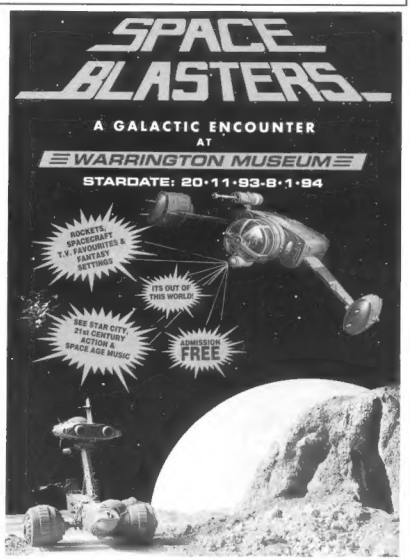
A key feature of the exhibition will be 'Star City', a stunning 6' illuminated model specially commissioned for the show.

Although the exhibition centres around the work of **MARTIN BOWER**, it will also include forty brilliantly executed Sci-fantasy paintings by Keith Scaife who worked with Bower on a number of projects including the hit exhibition 'Plural Worlds' at the D.L.J. Museum in Durham.

Children, families, sci-fi fanatics, model making and the media will want to see this show don't miss it.

Call **Cherry Gray** on **0925 442392** or **0925 444400 ext 2393** for further details, or write to
Warrington Museum and Art Gallery,
Bold Street, Warrington, Cheshire, WA1 1JG.



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BOOK082 1994 Annual. 64 pages 297mm x 210mm full colour pages featuring comic strip adventure, games, quizzes and puzzles. Published by Ravettte Books £4.75**C**
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BOOK019 *Stingray* by Dave Rogers. 96 pages, 228mm x 280mm, laden with colour and black & white photographs tell the story of how the series was made, together with an episode guide, hardware specifications and character biographies. Published by Boxtree Books £9.99**C**

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BOOK073 *Playing With Fire* £2.99**A**
BOOK097 *Undersea Hijack* £2.99**A**

See Postage and Packaging Rates – Page 2

HOW TO PAY

All cheques/postal orders should be payable to Engale Marketing at 332, Lytham Road, Blackpool, Lancashire, FY4 1DW, U.K

Overseas payments should be in £ Sterling drawn on U.K. Bank or the U.K. branch of a foreign bank. International Postal Money Orders or Giro. Cheques are ideal. *If absolutely impossible to send Sterling then £6.50 should be added to the Sterling value of your order (no matter what the value) to cover U.K. Bank Commission charges.*

We also accept payment by Credit Card – Access / MasterCard / Visa and Style. Simply quote the Card Number, expiry date and the name and address of the Card holder (if not yourself, with the holder's permission, of course).

24-Hour Credit Card Order line
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